

EMC[®] Documentum[®]

Platform and Platform Extensions

Version 7.3

Release Notes

EMC Corporation
Corporate Headquarters
Hopkinton, MA 01748-9103
1-508-435-1000
www.EMC.com

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Preface

This guide contains information about new and changed features, fixed issues, known issues and limitations, environment and system requirements, and installation and upgrade for Documentum Platform and Platform Extensions products.

Revision History

Revision Date	Description
December 2016	Updated for the Language Pack release.
November 2016	Initial publication.

Branch Office Caching Services

Product Description

Branch Office Caching Services (BOCS) servers are deployed in locations that are far from the primary Content Server. BOCS servers cache content to make it available to end users at those distant locations. BOCS servers can write content to the primary Content Server either synchronously to make content immediately available for other users or asynchronously for maximum end user performance. While file content is stored on a BOCS server host, the much smaller, associated metadata and permissions are still accessed from the Content Server, which allows administrators to maintain centralized control over the security aspects of the content.

New and Changed Features

This section highlights the major functionality changes included in this release. Refer to the product documentation for complete information about these features.

Support for Docker

You can now install and configure Branch Office Caching Services on a Docker container.

Fixed Issues

This section identifies issues that have been resolved in this release.

Issue ID	Description
DC-8801	UCF .Net Operation fails due to UCF Hang when switched between different DFS server versions.
DC-8719	UCF errors when you Checkout TBO the first time.
DC-8688	Missing projecting docbase_id on startup.
DC-8606	The invalid date format exception occurs while performing the checkin operation.

Issue ID	Description
DC-8465	Unable to install DMS against named (non-default) Microsoft SQL instance.
DC-8384	UCF operations fail intermittently due to concurrency issue after the Session Observer fix.
DC-8367	NullPointerException occurs while performing the checkin operation with retain lock option enabled on second attempt.
DC-8336	Java Security warning is shown while loading the UCF applet with JRE 1.7.21.
DC-8300	Unable to deploy the DMS server after applying the Microsoft security patch.
DC-8167	UCFException occurs when using a UCF.NET client side connected to Tomcat server that is running DFS.
DC-8146	DMS 7.2 is not supported on Oracle RAC.

Known Issues and Limitations

This section identifies known product issues and limitations that may affect your use of the product.

Installation and Upgrade

Issue ID	Description
DC-8254	After upgrading, the DMS tables refer to the previously created DMS user 'dms' instead of the global registry database owner name.

Server

Issue ID	Description
DC-8235	Warning messages are displayed in the BOCS log while performing an asynchronous write operation in a backward compatible environment. For example: Batch RPC execution failed. These messages are seen when using BOCS 7.1 or higher with a lower version of Content Server.

Issue ID	Description
	<p>Workaround: Set <code>rpc.disabled</code> to <code>true</code> in <code>acs.properties</code> for the relevant BOCS server. However, if BOCS 7.1 is used in a mixed environment, you can ignore the warnings and it is recommended not to disable the RPC.</p>
DC-7495	<p>Warning messages are displayed in the server log directory while deploying ACS, BOCS, and DMS. For example: Class Path entry <JAR1 NAME> in "<JBoss 7.x HOME>/server/DctmServer_DMS/deployments/DMS.ear/dms-ws.war/WEB-INF/lib/<JAR2 NAME>" does not point to a valid jar for a Class-Path reference.</p> <p>However, you can ignore these warnings. The JBoss website contains more information.</p>
DC-6708	<p>If a BOCS server is specified to serve content from all repositories, then content is not precached for any of the repositories (unless there is only one repository). Instead you must specify that a BOCS server is to serve content from selected repositories only and then specify the names of all the repositories.</p>

Documentation

Issue ID	Description
NA	<p>Product documentation might contain references to client applications and functionality that are not supported in the 7.x release, though these applications and functionality may become compatible in a future release. Only those client applications listed as compatible in the EMC E-LAB Interoperability Navigator are supported in 7.x.</p>

Environment and System Requirements

This section describes the environment and system requirements.

Note:

- An EMC product configuration running on a particular environment is supported as long as versions of the components in the environment (for example, operating system, database, web server, browser, SSO, Directory Servers, and so on) are in standard/primary support by their vendors.
- Software requirements are listed with release numbers. Software updates—including patches, Service Packs, and equivalent updates—sometimes introduce unanticipated changes. Compatibility with software updates that are not listed here cannot be guaranteed.
- All certifications provided in this document are relevant to the current release. Certifications for patches are documented in the *Patch Notes* documents published for the patch releases.

Hardware Requirements

This section provides information on the hardware requirements.

Item	Requirement
CPU	1
Memory	4 GB RAM plus memory required by the operating system
Disk space [1]	40 GB
[1] The Branch Office Caching Services software occupies approximately 815 MB of disk space. A user-configurable amount of disk space is required for the content cache. This recommendation does not include the cache; that will be much larger and the size is up to the customer.	

Software Requirements

The [EMC E-LAB Interoperability Navigator](#) contains the software requirements information for your product.

EMC Product Requirements

This section lists Documentum products that are depended on to achieve a basic level of functionality and lists the related Documentum products that enhance the overall functionality.

One of each of the following product versions listed for each product is/are prerequisites.

Product	Compatible Releases
Content Server	6.7 SP2, 7.0, 7.1, 7.2, 7.3
Documentum Administrator	6.7 SP2, 7.0, 7.1, 7.2, 7.3

Installation and Upgrade

Before beginning installation, ensure that your system meets the requirements. After installation, be sure to update your EMC product to the latest patched release, if any patches are available.

EMC Documentum Platform and Platform Extensions Installation Guide contains the instructions on installing and configuring Documentum Platform and Platform Extensions products. *EMC Documentum System Upgrade and Migration Guide* contains the instructions on upgrading the entire Documentum system.

Content Management Interoperability Services

Product Description

Content Management Interoperability Services (CMIS) is an OASIS specification that defines a domain model and bindings that enable interoperability among enterprise content management (ECM) systems and applications. EMC Documentum CMIS is an implementation of CMIS 1.0 that works with the EMC Documentum repository.

The need for CMIS arose from a recognition that many enterprises have production Enterprise Content Management (ECM) systems from multiple vendors, and that the complexity of making these systems interoperable is a burden on IT departments and an impediment to developing enterprise-wide applications. The principal goal of CMIS is to reduce this burden by providing a standard domain model for ECM systems and expose this model through industry-standard web service (SOAP) and RESTful AtomPub bindings. CMIS enables enterprises to develop applications that are interoperable with various ECM systems and to access the content in those system in a uniform manner. CMIS also provides a way for independent software vendors to develop applications that can be marketed for use with any CMIS-enabled ECM system.

Because the CMIS domain model is generic to ECM systems provided by different vendors, it is not a goal of CMIS to provide access to all the features of any one ECM system. Therefore the CMIS API is not appropriate for all types of ECM applications.

The *OASIS documentation* provides detailed information.

New and Changed Features

This section highlights the major functionality changes included in this release. Refer to the product documentation for complete information about these features.

Support for Browser Binding

CMIS Browser Binding is based upon JSON (Java Script Object Notation, see RFC4627) and patterns used in Web applications. This binding is specifically designed to support applications running in a web browser but is not restricted to them.

Support for Appending to a Content Stream

The clients can break very large uploads of document content into numerous smaller calls and append it to a content stream.

Support for Bulk Update Properties

You can now update the properties on a set of objects within a single service call.

Fixed Issues

This section identifies issues that have been resolved in this release.

Issue ID	Description
CMIS-1851	Failed to lazily retrieve property cmis:changeToken.
CMIS-1849	Experiencing unresponsive threads, when executing custom TBO code on xCP object type through CMIS.
CMIS-1762	When you fetch a rendition with the pageModifier filter value set to uppercase, it does not return content.
CMIS-1758	When you view or export documents with multiple renditions, it retains the temp files without clearing it and causes the CMIS cache to grow.
CMIS-1751	CMIS returns incorrect data for query calls with boolean attributes such as is_latest_version.

Known Issues and Limitations

This section identifies known product issues and limitations that may affect your use of the product.

Administration

Issue ID	Description
CMIS-1866	<p>Some application servers such as Tomcat fail when a request URL contains the “%2F” string. This behavior is by design in some application servers for security.</p> <p>Workaround: In Tomcat application server on Windows, open <code>catalina.bat</code> and add the following line:</p> <pre>set CATALINA_OPTS="-Dorg.apache.tomcat.util.buf.UDecoder.ALLOW_ENCODED_SLASH=true"</pre> <p>This will allow the encoded slash value in the URL. You may find this issue in other application servers. Refer to the corresponding application server guides to work around this issue.</p>
CMIS-1793	<p>Certain mock tests with 7.3 DFC might encounter a JVM crash with the exception "Expecting a stackmap frame at branch target \$lt;\$lt;nn>> in method". Where nn is location in the stackmap table.</p> <p>The reason for this behavior is the new Java 1.7 bytecode format. In addition to this, the bytecode verifier now performs more strict checks. DFC 7.3 has upgraded to latest Java assist for JDK 8 support. However, the latest Java assist bytecode manipulation still uses JDK 6 mode. Workaround: Force the use of the old bytecode verifier in JDK 7 by adding the VM runtime option: <code>-XX:-UseSplitVerifier</code> or setting <code>-noverify</code>.</p>
CMIS-1620	<p>The <code>numItems</code> parameter is not supported in the following scenarios:</p> <ul style="list-style-type: none"> The <code>DiscoveryService.query</code> method in Web Service binding and query collection in AtomPub binding. The <code>getContentChanges</code> method in Web Service binding and in AtomPub binding.

Issue ID	Description
	<ul style="list-style-type: none">• The following hierarchical feeds in AtomPub binding:<ul style="list-style-type: none">— folder descendants feed— folder tree feed— type descendants feed
CMIS-1414	Even when an ACS error occurs and the error message is returned in the retrieved content, the CMIS server does not throw an exception and successfully returns the content to the client.

Documentation

Issue ID	Description
NA	Product documentation might contain references to client applications and functionality that are not supported in the 7.x release, though these applications and functionality may become compatible in a future release. Only those client applications listed as compatible in the EMC E-LAB Interoperability Navigator are supported in 7.x.

Environment and System Requirements

This section describes the environment and system requirements.

Note:

- An EMC product configuration running on a particular environment is supported as long as versions of the components in the environment (for example, operating system, database, web server, browser, SSO, Directory Servers, and so on) are in standard/primary support by their vendors.
- Software requirements are listed with release numbers. Software updates—including patches, Service Packs, and equivalent updates—sometimes introduce unanticipated changes. Compatibility with software updates that are not listed here cannot be guaranteed.
- All certifications provided in this document are relevant to the current release. Certifications for patches are documented in the *Patch Notes* documents published for the patch releases.

Hardware Requirements

This section provides information on the hardware requirements.

Item	Requirement
CPU	2 GHz or greater
Memory [1]	4 GB RAM
Disk space [2]	20 GB
<p>[1] The amount of RAM that is available after taking into consideration all other RAM utilization requirements.</p> <p>[2] You must have sufficient free disk space to handle temporary content transfer files, which can vary substantially from one enterprise to another.</p>	

Software Requirements

The [EMC E-LAB Interoperability Navigator](#) contains the software requirements information for your product.

EMC Product Requirements

This section lists Documentum products that are depended on to achieve a basic level of functionality and lists the related Documentum products that enhance the overall functionality.

One of each of the following product versions listed for each product is/are prerequisites.

Product	Compatible Releases
Content Server	6.7 SP2, 7.0, 7.1, 7.2, 7.3
Documentum Foundation Classes	6.7 SP2, 7.0, 7.1, 7.2, 7.3

Installation and Upgrade

Before beginning installation, ensure that your system meets the requirements. After installation, be sure to update your EMC product to the latest patched release, if any patches are available.

EMC Documentum Platform and Platform Extensions Installation Guide contains the instructions on installing and configuring Documentum Platform and Platform Extensions products. *EMC Documentum System Upgrade and Migration Guide* contains the instructions on upgrading the entire Documentum system.

Composer

Product Description

EMC Documentum Composer provides a unified development platform to assemble, configure, and deploy EMC Documentum applications. Based on the Eclipse Integrated Development Environment, Composer provides a unified environment to create and maintain EMC Documentum application elements such as workflow templates, lifecycle definitions, aspects, object types, and DFS services.

The Eclipse plug-in model supports the broader ecosystem of customers, partners, and systems integrators. Developers assemble applications from components they develop or reuse from others, which reduces the time and cost to build vertical applications. This also enables organizations to configure rather than code, helping them to become more agile and responsive to market changes.

There are two Composer versions: Composer and headless Composer. Composer is the full integrated development environment (IDE) that provides a user interface to create, build, and install Composer projects. Headless Composer is a command-line driven build tool to create, build, and install Composer projects with Ant tasks.

New and Changed Features

There are no new features or changes to features included in this release. This release includes only product fixes.

Fixed Issues

This section identifies issues that have been resolved in this release.

Issue ID	Description
CMPSR-4504	When you install DAR with the Lifecycle upgrade option set to version, the DM_POLICY_E_NEED_PRIMARY_TYPE error is thrown.
CMPSR-4497	Headless Composer creates types without supertype, without a warning or error.
CMPSR-4463	After you reopen the Composer projects, if you edit and save artifacts, it results in 'Assertion failed: precondition File for derived artifact must be marked as "derived"' error.'

Issue ID	Description
CMPSR-4442	64-bit Java is crashing when installing DARs with dmbasic.
CMPSR-4424	Composer does not provide a meaningful error/warning if JDK is not configured correctly.

Known Issues and Limitations

This section identifies known product issues and limitations that may affect your use of the product.

Installation and Upgrade

Issue ID	Description
CMPSR-4445	<p>When you install DAR files with the upgrade option Ignore matching objects for each artifact and at the project level, all dm_activity objects are overwritten during project installation.</p> <p>Workaround:</p> <p>Note: This workaround is applicable only if the process artifact was created Composer version earlier than 6.6 and is migrated to the newer version.</p> <ol style="list-style-type: none"> 1. Close Composer. 2. Take a backup of this \$ProjectLocation/Artifacts/BPM directory. 3. Delete the .activity file located at \$ProjectLocation/Artifacts/BPM. 4. Open Composer. 5. Install the process and verify if the issue exists.
CMPSR-4133	<p>The DAR files (for example, xCP_Viewer_Services.dar, Rich_Media_Services.dar, Transformation.dar, and ImageServices.dar) are not deployed successfully on MS Windows 2008, 7 or later, when you run Composer, Dar Installer, or Headless Composer. The system throws an error when running the pre- and post-installation procedure. This occurs because the Windows security feature blocks Composer from launching another process (dmbasic).</p> <p>Workaround: Do one of the following:</p> <ul style="list-style-type: none"> • Right-click on dardeployer.exe and select Run as administrator.

Issue ID	Description
	<ul style="list-style-type: none"> • Turn off User Account Control (UAC): <ol style="list-style-type: none"> 1. Open Control Panel in Windows. 2. Click User Accounts. 3. Click User Account Control on or off. 4. Clear Use User Account Control (UAC) to help protect your computer. 5. Click OK.
CMPSR-4117	<p>When you attempt to install a dar file (for example, xCP_Viewer_Services.dar) into a repository that uses Linux, and if JAVA_HOME is not set, then the install procedure fails with the following error:</p> <p>[INFO] dmbasic.exe output : dmAPIInit() failed with return code 0. Can't register Documentum Server Extensions.</p> <p>[ERROR] Procedure execution failed with dmbasic.exe exit value : -1</p> <p>Workaround: Ensure that you set the JAVA_HOME environment variable correctly.</p> <p>The Configuring the Java JRE and compiler preferences section in <i>EMC Documentum Composer User Guide</i> contains more information.</p>
CMPSR-3888	<p>If a Composer project is created using Documentum Project from TaskSpace Application and the TaskSpace application has a parent, then duplicate folders from the parent TaskSpace application are created in child TaskSpace application's Composer project. You can delete these duplicate artifacts from the child Composer project to avoid duplication.</p>
CMPSR-3510	<p>The DAR installation fails when a project uses an installation parameter from a read-only reference project.</p> <p>Workaround: Copy the installation parameter from the read-only reference project into the new project.</p>
CMPSR-3385	<p>Composer does not support r_application_permit attribute of ACL. If an ACL has any data in r_application_permit and Composer imports that ACL, the project fails to install. Also, if Composer imports the ACL and you modify it, the data in r_application_permit will be lost.</p>
CMPSR-1808	<p>Composer DAR Installer runs several ALTER TYPE statements, even when the DAR file is not modifying any object type definitions. This problem causes performance issues.</p>

Issue ID	Description
CMPSR-1779	<p>New versions of Composer cannot use workspaces created by an older version of Composer.</p> <p>Workaround: Create a workspace first and then import projects from the old workspace into the new workspace.</p> <p>Cannot use old workspaces with new versions of Composer (CMPSR-1779), page 27 provides information on how to correct this problem.</p>
CMPSR-1733	<p>DocApps improperly import types with names that begin with <i>dmc</i>. If you import a DocApp from a repository or from a DocApp and the DocApp contains a structured data type, the Composer project does not compile. Composer incorrectly names the structured data types with a <i>dm_wfsd</i> prefix, which is not allowed.</p> <p>Workaround: Delete the types that have the <i>dm_wfsd</i> prefix or import the types directly from the repository (not with the DocApp).</p>
CMPSR-1240	<p>Composer cannot change URLs to be dynamic links. For example, you want to point to an object with a form by using the <i>r_objectid</i>. When you create a DAR and install the DAR into a new repository, the link is transferred as is. When you attempt to access the object from the link in the form, the old object ID has changed and you receive an error message.</p>
CMPSR-1015	<p>Migrating a DocApp that contains BPM artifacts into a Composer project fails with migration repositories prior to version 6.5. DocApps with BPM artifacts require a version 6.5 or later migration repository.</p>
CMPSR-975	<p>Composer does not support multiple process templates in a folder when importing from Process Builder. If you use Process Builder to create process templates and their corresponding activities, do not create multiple process templates in the same folder. Composer cannot import the process templates when there are multiple ones in the same folder.</p> <p>Workaround: Use a different folder for each process template.</p>
CMPSR-673	<p>If you change the identity of an artifact, such as its installation location or name, and reinstall the project, the artifact with the new identity is not created or upgraded. If other changes were made, the artifact with the old identity is updated instead. To update the identity of an artifact, create an artifact instead.</p>

Issue ID	Description
CMPSR-564	<p>You cannot copy and paste a previously installed artifact. If you copy and paste an artifact that has been installed to a repository, modify the copied artifact, and re-install the project, Composer does not install two instances of the artifact. Composer installs the original artifact and then overwrites that artifact with the copy and pasted version.</p> <p>Workaround: Copy and paste an artifact that has not been installed to the repository.</p>
CMPSR-355	<p>When you create an aspect type, the Scope drop-down menu in the Display tab does not display default scope values (Webtop and DCDesktopClient) for aspects.</p> <p>Workaround: Specify your own values in the drop-down menu.</p>
CMPSR-281	<p>If you are installing a project with headless Composer, all reference projects must be in the installation workspace; otherwise the installation fails.</p>
CMPSR-228	<p>Do not attach a default aspect to any dm_folder type in the repository. If you do, additional aspects for the dm_folder type cannot be installed with Composer.</p>
CMPSR-145	<p>Ant tasks cannot run when headless Composer is installed into a path that has spaces.</p> <p>Workaround: Install headless Composer into a path with no spaces.</p>

Additional Information About Known Issues

This section includes supplemental information about known issues.

Cannot use old workspaces with new versions of Composer (CMPSR-1779)

New versions of Composer cannot use workspaces created by an older version of Composer.

To correct the problem, create a workspace first and then import projects from the old workspace into the new workspace.

To create a workspace and import projects:

1. To create a workspace:
 - a. Navigate to **File > Switch Workspace > Other...**
 - b. Specify a location for the new workspace.
 - c. Click **OK**.

2. To import existing projects (or projects in the old workspace) to a new workspace:
 - a. Right-click in the Documentum Navigator area and select **Import > Existing Projects into Workspace**.
 - b. Select the directory of the existing project (or directory of the old workspace).
 - c. (Optional) Select **Copy projects into workspace** to copy projects to the workspace directory.
 - d. Click **Finish**.

Ensure that all files in the existing projects are writable. Composer can upgrade any project file. *EMC Documentum Composer User Guide* provides information on importing projects.

Localization

Issue ID	Description
CMPSR-379	The DAR Installer UI is not localized and displays in English only.
CMPSR-304	<p>A DAR file or project installation can fail if their names contain non-ASCII characters.</p> <p>Workaround: Name your project or DAR file with only ASCII characters.</p>
CMPSR-283	The XML Configuration Editor user interface is not localized and displays in English only.
CMPSR-257	Artifacts and installation parameter file nodes and subnodes display in the language that they are created in, even if you import the project to a different language. For projects created with Composer 6.6 and later, the artifacts and installation parameter file nodes and subnodes are in English, even if the project is created in Japanese Composer.
CMPSR-236	<p>The Workflow Manager user interface is displayed in English instead of Japanese. To display Workflow Manager in Japanese, edit the launch_wfm.bat file located in the Composer \WorkflowManager directory and replace <i>lib\jlayout20.jar;lib\jloox20.jar;lib\wfde.jar</i> with <i>lib\jlayout20.jar;lib\jloox20.jar;lib\Japanese\wfde.jar</i>.</p>

Documentation

Issue ID	Description
CMPSR-4566	The English and localized online help systems and the localized version of the <i>EMC Documentum Composer 7.3 User Guide</i> contain references to <i>EMC Documentum Environment and System Requirements Guide</i> . The environment and system requirements information for all product releases is now available in the EMC E-LAB Interoperability Navigator .
NA	Product documentation might contain references to client applications and functionality that are not supported in the 7.x release, though these applications and functionality may become compatible in a future release. Only those client applications listed as compatible in the EMC E-LAB Interoperability Navigator are supported in 7.x.

Environment and System Requirements

This section describes the environment and system requirements.

Note:

- An EMC product configuration running on a particular environment is supported as long as versions of the components in the environment (for example, operating system, database, web server, browser, SSO, Directory Servers, and so on) are in standard/primary support by their vendors.
- Software requirements are listed with release numbers. Software updates—including patches, Service Packs, and equivalent updates—sometimes introduce unanticipated changes. Compatibility with software updates that are not listed here cannot be guaranteed.
- All certifications provided in this document are relevant to the current release. Certifications for patches are documented in the *Patch Notes* documents published for the patch releases.

Hardware Requirements

There are no specific machine requirements.

Software Requirements

The [EMC E-LAB Interoperability Navigator](#) contains the software requirements information for your product.

EMC Product Requirements

This section lists Documentum products that are depended on to achieve a basic level of functionality and lists the related Documentum products that enhance the overall functionality.

One of each of the following product versions listed for each product is/are prerequisites.

Product	Compatible Releases
Content Server	7.0, 7.1, 7.2, 7.3
Documentum Administrator	7.0, 7.1, 7.2, 7.3
Documentum Foundation Classes	7.0, 7.1, 7.2, 7.3

Installation and Upgrade

Before beginning installation, ensure that your system meets the requirements. After installation, be sure to update your EMC product to the latest patched release, if any patches are available.

EMC Documentum Platform and Platform Extensions Installation Guide contains the instructions on installing and configuring Documentum Platform and Platform Extensions products. *EMC Documentum System Upgrade and Migration Guide* contains the instructions on upgrading the entire Documentum system.

Content Intelligence Services

Product Description

EMC Documentum Content Intelligence Services (CIS) is the Documentum component for content analytics. It analyzes the textual content of content objects: the text or values of the content, properties, or repository attributes.

Use content analytics to leverage the information scattered in your content. Content analytics help you organize, tag, or view content based on its inherent metadata. Metadata are pieces of information that provide a description of the content of documents. Document properties and repository attributes are examples of types of metadata. However, metadata can also be found in the content itself.

Content Intelligence Services offers three types of analysis: categorization, entity detection, and pattern detection.

New and Changed Features

This section highlights the major functionality changes included in this release. Refer to the product documentation for complete information about these features.

Multiple Service Instance Deployment

Multiple CIS server IP addresses can be configured in Documentum Administrator (DA). CIS instances can be installed on multiple servers, and DA can send requests to all CIS instances simultaneously.

Support for Docker

You can now install and configure CIS on a Docker container.

Fixed Issues

This section identifies issues that have been resolved in this release.

Issue ID	Description
CIS-1654	CIS restarted itself when processing a large document.
CIS-1631	You may encounter StackOverflowError if document has embedded document.
CIS-1626	Some files cannot be extracted by Stellent.
CIS-1606	Docset filter on Documentum Administrator does not support value list with wildcard capability.
CIS-1583	CIS is changed to use fixed schedule: the duration of the previous processing would not be added to compute the next invocation.
CIS-1579	Reprocessing a docset will not declassify a previously classified document which has changed its attribute and is no longer qualified for the docset.

Known Issues and Limitations

This section identifies known product issues and limitations that may affect your use of the product.

Server

Issue ID	Description
CIS-1451	<p>On Linux, attempting to stop the CIS service by running the command <code>CIS/service/stopCIS</code>, results in the error message <code>java.rmi.UnmarshalException: Error unmarshaling return header</code>.</p> <p>You can ignore this error because it does not have any impact on the CIS functionality.</p>
CIS-1251	<p>When one Luxid service is not started, documents are marked as processed even if entity detection was not performed.</p> <p>The following errors are logged in <code>cis.log</code>:</p> <pre>Docset docset_id processing complete but with errors. n document(s) could not be processed. [...] Caused by: com.documentum.cis.shared.config .ConfigurationException: Cannot connect to Luxid Annotation Server on host=luxid_host [...]</pre>

Issue ID	Description
	Workaround: <ol style="list-style-type: none"> 1. Make sure Luxid and CIS are up and running. 2. Restart the service. 3. Force the reprocessing of documents by clearing the analysis results in Documentum Administrator.

Entity Detection

Issue ID	Description
CIS-1240	<p>[I18N] When using the People named entity, Luxid does not extract Italian, German, or Spanish names. The named entity extraction is based on NLP (Natural Language Processing), which means that it depends both on the context analysis and the language. Depending on the language and the lack of meaningful context, the extraction engine may not extract all the named entities as expected. For example, it may not extract the first names.</p>

Documentation

Issue ID	Description
NA	<p>Product documentation might contain references to client applications and functionality that are not supported in the 7.x release, though these applications and functionality may become compatible in a future release. Only those client applications listed as compatible in the EMC E-LAB Interoperability Navigator are supported in 7.x.</p>

Environment and System Requirements

This section describes the environment and system requirements.

Note:

- An EMC product configuration running on a particular environment is supported as long as versions of the components in the environment (for example, operating system, database, web server, browser, SSO, Directory Servers, and so on) are in standard/primary support by their vendors.
- Software requirements are listed with release numbers. Software updates—including patches, Service Packs, and equivalent updates—sometimes introduce unanticipated changes. Compatibility with software updates that are not listed here cannot be guaranteed.
- All certifications provided in this document are relevant to the current release. Certifications for patches are documented in the *Patch Notes* documents published for the patch releases.

Hardware Requirements

This section provides information on the hardware requirements.

Item	Requirement
CPU	2 CPU (minimum), 32 CPU (maximum), 1.5 GHz or higher
Memory [1]	4 GB RAM
Disk space [2]	4 GB
<p>[1] The amount of RAM that is available after taking into consideration all other RAM utilization requirements.</p> <p>[2] You must have sufficient free disk space to handle temporary content transfer files, which can vary substantially from one enterprise to another. The minimum size for the temporary directory is 1 GB. The temporary directory can reside on a different drive than the one used for the Content Intelligence Services installation.</p>	

Software Requirements

The [EMC E-LAB Interoperability Navigator](#) contains the software requirements information for your product.

EMC Product Requirements

This section lists Documentum products that are depended on to achieve a basic level of functionality and lists the related Documentum products that enhance the overall functionality.

One of each of the following product versions listed for each product is/are prerequisites.

Product	Compatible Releases
Content Server	7.1, 7.2, 7.3

Product	Compatible Releases
Documentum Administrator	7.1, 7.2, 7.3
Webtop	6.8, 6.8.1
xCelerated Composition Platform	2.2, 2.3

Installation and Upgrade

Before beginning installation, ensure that your system meets the requirements. After installation, be sure to update your EMC product to the latest patched release, if any patches are available.

EMC Documentum Platform and Platform Extensions Installation Guide contains the instructions on installing and configuring Documentum Platform and Platform Extensions products. *EMC Documentum System Upgrade and Migration Guide* contains the instructions on upgrading the entire Documentum system.

Content Server

Product Description

EMC Documentum Content Server is the core of the EMC Documentum content management platform. Content Server governs the content repository and enables a set of content management services for controlling content and processes throughout distributed enterprises. Content Server lets you store, manage, and deploy all types of content, including HTML and XML, graphics, and multimedia. Content Server provides services such as the following:

- Integrated workflow
- Lifecycle and process automation
- Version control
- Security
- Data dictionary for capturing and configuring business rules

With Content Server, users can share and reuse trusted content on demand within and between business units. Administrators can define, organize, automate, and monitor all the functions and tasks of complex business processes. Documentum Foundation Services (DFS) is no longer installed with Documentum Content Server. You must install a DFS server on a machine that is different from the one on which Content Server is installed.

New and Changed Features

This section highlights the major functionality changes included in this release. Refer to the product documentation for complete information about these features.

Support for Docker

You can now install and configure Content Server on a Docker container.

Enhanced JMS for HA Configuration

JMS for HA configuration is now enhanced. The key highlight is that JMS supports both failover and load balancing.

Migration Utility

New migration utility is available to perform the following operations:

- Changing the repository ID
- Changing the repository name
- Changing the server configuration name
- Changing the hostname of the Content Server machine
- Changing the installation owner

Support for PostgreSQL Database

Content Server now supports the PostgreSQL database on CentOS.

Installer Enhancements

The following are the installer enhancements:

- **Silent installation:** You can now install and configure Content Server from the command line, also known as a silent (unattended) installation. The following operations can be performed:
 - Installing Content Server
 - Adding new connection broker
 - Upgrading connection broker
 - Deleting connection broker
 - Adding new repository
 - Adding new server for repository
 - Upgrading repository
 - Deleting repository
 - Uninstalling Content Server
- **Symbolic link path for Java:** Content Server installation now creates a symbolic link path for Java which points to the actual Java path and is independent of the specific Java version.
- **Removal of mandatory database administrator access:** The database administrator can now create a database before starting the Content Server configuration program and choose to use the existing database to create a repository.
- **Removal of mandatory root password access for UNIX and Linux:** A new panel is added to the Content Server installation program to skip root password access.
- **Centralized version information:** You can now view the version details of installed products or components.

- **Configuration summary:** You can view the key components configured on the host, such as repository, connection broker, and so on.
- **RCS Primary server configuration name:** You can now change the value of the primary content server configuration name in the CFS configuration program panel.

Support for SAML Authentication

Content Server now supports Security Assertion Markup Language (SAML) using Microsoft Active Directory Federation Services (AD FS) 2.0. You must install and configure AD FS 2.0 to enable SAML authentication.

Support for OpenStack Swift Store

Content Server now supports OpenStack Swift stores.

Fixed Issues

This section identifies issues that have been resolved in this release.

Issue ID	Description
CS-55289	When you run multiple workflows in parallel with a set timer, it results in an error.
CS-54992	Saving a date earlier than 01/01/1753 through DQL fails with an error.
CS-54487	Multiple access violations occurs, when executing the DM_CLEAN job.
CS-54451	When group or user rename option is not enabled and change log is also not enabled, querying for the renamed groups and users results in an error.
CS-54213	RETURN_RANGE hint issue occurs when using Content Server 7.2 P11/P12.
CS-54183	LDAP job was run with a wrong docbase.server in multi-docbase system.
CS-54129	Content Server 7.2 Developer edition does not start. The utility to reset fingerprint is not available.
CS-54112	Queries with empty strings in Oracle docbases.
CS-54096	dm_get_next_task does not work correctly for usernames containing non ASCII characters (for example: ččžšđ).
CS-53973	Group owner is not changed when reassigning a group.
CS-53947	DQL fails to access a registered table.
CS-53875	User's encrypted password revealed through DQL.

Issue ID	Description
CS-53818	The mime type of ZIP format is incorrect.
CS-53816	DQL with repeating attributes and alias r_object_id returns multiple results.
CS-53798	Getfile failure for documents with shared content.
CS-53786	LDAP SSL authentication fails.
CS-53634	SQL Server MAXDROP hint does not work with UNION clause.
CS-53613	dmClean does not release DB resources.
CS-53423	When you execute the dm_UserRname_java job, it results in the DFC_QUERY_NOT_CLOSED error.
CS-53372	SQL_DEF_RESULT_SET and OBJECT_BASED hint in a single select query does not work with Content Server Patch.
CS-53362	Content Server crashes intermittently with AV error in the repository log.
CS-53323	Kerberos authentication fails when user is part of more than 300 groups in AD.
CS-53271	DQL or SQL issue when running a query does not return correct results.
CS-53244	AddESignatures fails to sign a document if user_login_name is changed.
CS-53168	ldap_sync group membership is not handled properly in IBM directory server.
CS-53010	An open tempdb connection causing multiple idle sessions at database.
CS-52855	DM_SESSION_E_RESTRICTED_ACCESS error occurs during Webtop 6.8 authentication if password is expired.
CS-52816	Threads stuck in JMS.
CS-52797	Content Server tries to start IA servlet even when disabled.
CS-52576	DM_SESSION_E_RESTRICTED_ACCESS error occurs during owner account login on Linux.
CS-52408	DM_OBJ_MGR_E_DB_CONN error occurs during DQL update.
CS-52374	Data filestore path installation owner permissions removed when creating repository.
CS-52311	Content Server startup waits until connection to xPlore timeouts, resulting in delay.
CS-52255	Repository crashes when you use NOLOCK and READUNCOMMITTED in a DQL query.
CS-52247	Alias name for aspect attributes are not well formed resulting in the ORA-00918: column ambiguously defined with Aspects error.
CS-52179	No notifications about a job failure.

Issue ID	Description
CS-52140	Unable to use UNION clause with RETURN_RANGE clause in union select statement.
CS-52015	Inconsistent (row VS object) DQL result while using ENABLE(RETURN_RANGE x y 'column DESC').
CS-51954	The fix-folder method is modifying cabinets when cabinets are created using a sub-type of dm_cabinet.
CS-51949	Virtual Document components are inserted with wrong order_no.
CS-51838	If Sysadmin user is part of Superuser dynamic group, it does not allow them to modify super group membership.
CS-51826	Unable to upgrade the 7.2 CFS instance.
CS-51796	After an email is imported into Webtop 6.8, the dm_sysobject.subject value entered by user on import dialog is overwritten by the subject of the email.
CS-51777	Even when jobs are executing, the status shows that dm_agent_exec utility has stopped.
CS-51749	a_held_by attribute of type dmi_workitem has been widened to 255 characters.
CS-51715	DM_QUERY_E_CURSOR_ERROR error occurs when alias used in return_range is enclosed with double quotes ("").
CS-51640	DM_QUERY_E_CURSOR_ERROR error occurs when alias used in return_range is enclosed with double quotes ("").
CS-51634	If rename option is not enabled, all the renamed users are treated as new users.
CS-51534	When inserting into a registered table during a batch transaction DM_QUERY_E_DATE_FORMAT error message appears.
CS-51447	In case of an implicit transaction, it does not auto commit. You must do a manual commit else, the transaction will remain open unless the collection is not closed.
CS-51439	Inactivated users during LDAP synchronization.
CS-51384	Notification sent as attachment when user has special characters in username.
CS-51300	Workflows fail as the system could not find a performer.
CS-51223	Search removes the first letter in the search string.
CS-51218	Use of replicate_setup_methods when decrypting causes the encrypted text to escape the # character.
CS-51202	In the case of multiple thread, the serialization-version is not propagated to child threads causing the encoding error.
CS-51160	Error during installation of repository while running templates.ebs script.

Issue ID	Description
CS-51121	ACCESS_VIOLATION exception related to group save result issue on CS 7.0.
CS-51099	Using left outer join in a DQL with Aspects results in an error.
CS-51063	Different DQL results when selecting repeating attributes and using alias for r_object_id.
CS-51050	Content Server crashes when using DFC application to upload objects in the repository.
CS-51027	When there is no <!DOCTYPE> element in web.xml of Java Method Server, the server configuration program will add extra character in web.xml when it is configuring a repository.
CS-51018	Using left outer join in a DQL with Aspects results in an error.
CS-51013	If email notification is sent by mail at the specific hour, incorrect date is set to send date in the email header.
CS-50913	DM_SYSOBJECT_E_CANT_FETCH_INVALID_ID error occurs on JMS object while starting the repository.
CS-50865	The DQL query with the '' = 'xyz' condition, retrieves all the dm_document objects created.
CS-50855	DM_QUERY2_E_TABLE_NOT_FOUND error occurs when the value of DM_GROUP_LIST_LIMIT_TEMP_TBL is set to T to increase the SQL query performance.
CS-50846	dm_UpdateStats job report does not display any information other than the report completed status.
CS-50770	Corruption during query formation in Solaris environment only.
CS-50742	Documentum repository goes down when the docbase log shows huge number of ACCESS_VIOLATION exception.
CS-50735	Inconsistent (row VS object) DQL result while using ENABLE(RETURN_RANGE x y 'column DESC').
CS-50695	Failing to validate DFC truststore using the password provided during Content Server upgrade.
CS-50539	Task is not assigned to the workflow initiator when you configure "single user in group" in activity.
CS-50520	DQL is not translated to correct SQL query for RETURN_RANGE hints.
CS-50477	Issue with the docbase Scope for Single Use Ticket in a multi-server environment.
CS-50473	Server thread crashes on user login.
CS-50468	Object save fails when setting custom repeating attribute for custom lightweight objects.
CS-50452	shouldParseMsgFile in mailapp.properties does not work properly for the checkout/checkin operations.

Issue ID	Description
CS-50446	Segmentation violation on Linux CS when authenticating user with wrong user_login_domain.
CS-50435	The panel for DB info has been changed.
CS-50431	[DM_FOLDER_E_UNIQUENESS_CHECK_FAILED]error: "Could not Fetch Type Object for dm_folder" when creating a cabinet or folder.
CS-50404	Crash dumps when you run a content migration job.
CS-50372	Group cache query causes performance issues.
CS-50309	Environment variable DM_DOCBROKER_FUDGE is not read by the connection broker.
CS-50306	Unable to change lockbox passphrase.
CS-50212	RETURN RANGE queries fail when table name does not have alias in the FROM clause.
CS-50209	When you add double escape "\\\" to update SQL statement for special characters, the SQL query does not work.
CS-50185	On Windows, if the content_type of a document is set to "dm_turbo_store" and you try to save, it fails with the DM_CONTENT_E_CANT_ACCESS_DATA_TICKET error.
CS-50182	Error message seen on removing an event from Audit but the event gets removed successfully.
CS-50150	dm_event_sender in Linux fails when the email subject contains exclamation marks.
CS-50130	ORA-00907 exception occurs in RETURN_RANGE with full column names.
CS-50098	Some collection objects are not getting closed in the event of an exception.
CS-50086	ORA-00904: "DM_INLINE_VIEW_1"."A1_R_OBJECT_ID": invalid identifier' error.
CS-50072	DQLs containing aspects with left outer join are translated into invalid SQL statements.
CS-50032	The docbase crashes when you delete dm_fulltext_index object.
CS-50002	Intermittent content export failure with XML store.
CS-49890	Disk Space is not freed after dm_clean runs on NetApp Snaplock Arrays.
CS-49768	"LDAP_MATCHING_RULE_IN_CHAIN" for nested group synchronization iteration through a collection of objects retrieved from Active Directory leads to a LDAPSvc job failure with NULL pointer exception intermittently.
CS-49752	When group_name is not mapped to CN, the LDAP synchronization fails since the synchronization internally checks against CN.
CS-49732	Crash seen during GroupSave RPC.

Issue ID	Description
CS-49695	When you remove any user from a group that has inactive users, an error is displayed.
CS-49644	LDAP sync job fails with Active Directory authentication exception if LDAP binding password contains special character.
CS-49608	DM_OBJ_MGR_E_VERSION_MISMATCH error occurs for parallel work items when WF_SKIP_PARALLEL_TASK_EXECUTION flag is added to docbase_config.
CS-49605	Content Server does not set NOT NULL flag when creating or altering types.
CS-49558	Delegated tasks' task_subject attribute disappears when you delegate a task across D7.x.
CS-49543	Production environment crashes after applying the Content Server 7.1 P12 Release Binaries, RSA MES fix, and GroupSave fix OOC Hotfix.
CS-49373	The Add partition operation does not add partition to dmi_object_type table.
CS-49352	grouprename.ebs fails with Overflow error when the group uses many ACLs.
CS-49321	Agent Exec is setting a_last_return_code to 4294967295 when method_return_val is -1.
CS-49303	The LDAP sync fails when Java method is used for user-rename instead of docbasic.
CS-49253	The [DM_CONTENT_W_RMDIR_FAILED] warnings are displayed constantly in the docbase log.
CS-49135	E-Signature method throws an error when generating hash for files larger than 2 GB.
CS-49115	User is unable to login to the repository through D2 client.
CS-49037	Docbase crashes when creating or updating folder with long name.
CS-49011	The Kerberos authentication error occurs due to an MIT library updates and dependencies.
CS-48965	SysObjFullFetch RPC performance concerns.
CS-48868	Issues with the views of dm_queue, dm_tasks_all, dm_tasks_dequeued, and dm_tasks_queued.
CS-48798	The POST_UPGRADE_ACTION RPC aborts when the recreation of indexes fail.
CS-48697	The owner column for dm_type, and acl_domain and default_group columns for dmi_type_info are not updated to the length of 255 during an upgrade to 7.1.
CS-48692	Kerberos plugin load fails with DM_SESSION_E_AUTH_PLUGIN_LOAD_EXCEPT_ERROR error.

Issue ID	Description
CS-48648	When the server tries to move files with filename* to add dos extension on view or export of content, the move fails for MAC resources as the fork file has the same name.
CS-48645	Consistency Checker job does not check for dm_workflow objects that are missing an entry in dmi_object_type.
CS-48634	The AVs and SIGSEGV crashes when the RSA MES libraries cause Memory Heap Corruption.
CS-48589	The IDfDeleteOperation does not work as intended for multi-version documents loaded from dm_dump_record.
CS-48577	DQLs with RETURN_RANGE fail when SELECT clause has non-qualifiable attributes.
CS-48574	The MIGRATE_CONTENT does not update r_content_size and r_full_content_size across D7.x.
CS-48441	The custom Java agent fails to decode the SMSESSION generated by Webagent with particular set of keys.
CS-48385	The DM_OBJ_MGR_E_SAVE_FAILED_UNAVAILABLE_TYPE appears for valid workflow tasks.
CS-48365	Documentum process keeps generating more than 22,000 Windows handles.
CS-48350	A new parameter QUERY_BATCH_SIZE, which was added to the migrate_content method to fix CS-46793 (CS-46790) cannot be included as a job parameter.
CS-48300	Reference of content object is corrupted so the collection returned from the GET_DIST_CONTENT_MAP creates a core file during MultiNext operation.
CS-48249	eSignature verification fails after Content Server has been moved to a different timezone.
CS-48232	Load tests causes SOAP based client errors.
CS-48219	Performance issue when deleting groups.
CS-48086	AgentExec sleeps between lock and commit in the same transaction, causing performance issues.
CS-48073	No sessions available in Index Agent.
CS-48068	Collection object memory leak causes the -DFC_QUERY_NOT_CLOSED com.emc.documentum.server.method.fixfolderrver.method.fixfolder error.
CS-48006	The [DM_CHARTRANS_E_SERVER_TRANSLATION] error occurs when you invoke a workflow.
CS-47944	The LDAP Synchronization stops running if the username contains an apostrophe.

Issue ID	Description
CS-47926	The version mismatch error occurs in a method server log during execution of parallel auto activities in HA environment when the load is heavy.
CS-47923	The Event Viewer reports Documentum service errors during the service shut down.
CS-47606	dm_UserRename job does not check if the user_name is already present in dm_group.users_names and dm_acl.r_accessor_name.
CS-46947	The comma (CN=DiLauri\, Steve) at the Nested Group level causes error during LDAP synchronization.
CS-44929	Content Server supports only up to 20 LEFT OUTER JOIN in a DQL.
CS-43093	[DM_API_E_BADCMD] error occurs when running dm_DMClean job with arguments -clean_wf_method_exec_result TRUE && -clean_now TRUE.
CS-41985	Active Directory allows cycles in groups. Content Server does not allow cycles to be formed in groups. As a result when LDAPSvc job is run we create and save an empty group without its members.

Known Issues and Limitations

This section identifies known product issues and limitations that may affect your use of the product.

Installation and Upgrade

Issue ID	Description
CS-51199	After the installation of the repository in the Docker container, it results in the DM_DOCBROKER_E_NO_SERVER_FOR_DOCBASE error.
CS-48631	<p>When you try to upgrade a repository with AEK192 algorithm to AEK128 algorithm, it results in an error.</p> <p>Workaround:</p> <ol style="list-style-type: none"> 1. Quit the installer. 2. Manually run the dm_crypto_boot command for AEK128 algorithm to put in the shared memory. 3. Restart the installer and choose to upgrade the repository. 4. Select the KEEP AEK UNCHANGED option. 5. Continue with the upgrade process.

Issue ID	Description
CS-47148	<p>The repository configuration fails with <code>libsasl2.so.2 cannot open shared object file error</code> on Red Hat Enterprise Linux 7.0.</p> <p>Workaround: Log into the root account and run the following command:</p> <pre>ln -s /usr/lib64/libsasl2.so.3.0.0 /usr/lib64/libsasl2.so.2</pre>
CS-50394	<p>The authentication plug-in fails to load for Netegrity test on Red Hat Enterprise Linux 7.0 with SDK 12.51CR05.</p> <p>Workaround:</p> <p>For Windows:</p> <p>For 12.51 CA SDK, the ETPKI libraries will be generated at <code>C:\Program Files\CA\SC\CAPKI\Windows\amd64\64\lib</code> instead of <code>C:\Program Files\CA\SC\ETPKI\lib</code>. Perform the following steps to configure and set up Netegrity on the Content Server:</p> <ol style="list-style-type: none"> 1. Copy <code><install directory>/sdk/bin64</code> and <code><install directory>/etpki/ETPKI/lib</code> to <code>%DM_HOME/install/external_apps/authplugins/lib</code>. 2. For 12.51 CA SDK version, copy <code>%ETPKIHOME/<OS NAME></code> to <code>%DM_HOME/install/external_apps/authplugins/lib</code>. 3. Copy the supporting shared libraries <code>ADD %Siteminder_bin64% and %Siteminder_ETPKI%</code> to <code>%PATH%</code> environment variable.. <p>For Linux:</p> <p>For 12.51 CA SDK, the ETPKI libraries will be generated at <code><install directory>/etpki/CAPKI/Linux/amd64/64/lib</code> instead of <code><install directory>/etpki/ETPKI/lib</code>. Perform the following steps to configure and set up Netegrity on the Content Server:</p> <ol style="list-style-type: none"> 1. Copy <code><install directory>/sdk/bin64</code> and <code><install directory>/etpki/ETPKI/lib</code> to <code>\$DM_HOME/install/external_apps/authplugins/lib</code>. 2. For 12.51 CA SDK version, copy <code>\$\$ETPKIHOME/<OS NAME></code> to <code>DM_HOME/install/external_apps/authplugins/lib</code>. 3. Copy supporting shared libraries <code>ADD \$Siteminder_bin64 and \$Siteminder_ETPKI</code> to <code>LD_LIBRARY_PATH</code> environment variable. Or you can also copy <code>\$Siteminder_bin64/sdk/bin64</code> and <code>\$Siteminder_ETPKI/etpki/ETPKI/lib</code> to <code>\$DM_HOME/install/external_apps/authplugins/lib</code>.
CS-48941	<p>After consolidation of repositories, on the migrated repository, the <code>net start</code> and <code>net stop</code> operations do not work.</p>

Issue ID	Description
CS-48918	<p>Upgrading AEK with a different passphrase fails with an error.</p> <p>Workaround: Use the old passphrase for the new key and then manually change the passphrase after the upgrade process.</p>
CS-48939	<p>After consolidation of repositories, the <code>user_rename</code> operation does not rename the user on the migrated repository.</p>
CS-48653	<p>Authentication of the xDB superuser password fails while upgrading the repository. This issue occurs in a combination of an environment having repositories that are enabled with XML Store and also that are not enabled with XML Store.</p> <p>Workaround: Add the hostname (hostname value as shown in bold in the example) in the <code>xhiveaddress</code> (xDB hostname) entry in <code>\$DOCUMENTUM_SHARED/<JBoss version folder>/server/DctmServer_MethodServer/deployments/XhiveConnector.ear/XhiveConnector.war/WEB-INF/web.xml</code>, restart the Java Method Server, and then start the upgrade process.</p> <p>For example:</p> <pre><init-param> <param-name>xhiveaddress</param-name> <param-value>AIXDB26166</param-value> </init-param></pre>
CS-48532	<p>Uninstalling the repository does not remove the value of <code>dfc.crypto.repository</code> in <code>dfc.properties</code>. Also, the value of <code>dfc.crypto.repository</code> points to an uninstalled repository.</p> <p>Workaround: Manually remove or modify the value of <code>dfc.crypto.repository</code> in <code>dfc.properties</code>.</p>
CS-48270	<p>XML Store configuration fails while upgrading the repository. This issue occurs because of the failure in execution of scripts.</p> <p>Workaround: Run the failed scripts again.</p>
CS-48172	<p>Running the <code>headstart.ebs</code> script for remote Content Server (RCS) when the LDAP configuration objects exist in the primary server fails with an error.</p> <p>Workaround: Copy the <code>ldap_<object_id>.cnt</code> files from the primary server to the remote Content Server.</p>
CS-47788	<p>Configuring the repository fails with an error while connecting to a database on Solaris.</p> <p>Workaround: Add the <code>/usr/sfw/lib/sparcv9</code> value in <code>LD_LIBRARY_PATH</code>.</p>
CS-46159	<p>Content Server installer does not validate the Keystore file name and Keystore password file name values while configuring the connection broker using the Use certificates option.</p>

Issue ID	Description
CS-44291	<p>Repository logs display the [DM_DOCBROKER_E_NO_DOCBROKERS]error: "No DocBrokers are configured" error while configuring the connection broker and repository.</p> <p>Workaround: Ensure the <code>dfc.properties</code> file in <code>\$DOCUMENTUM\Config</code> has the connection broker information. If there is no connection broker information in the <code>dfc.properties</code> file, then add it and restart both the connection broker and repository.</p>
CS-42820	<p>Unable to install any DAR file through Composer headless DAR deployer when the Content Server is installed with non-anonymous SSL mode enabled.</p> <p>Workaround: Disable the non-anonymous SSL mode on the Content Server and install the required DAR files using the Composer headless DAR deployer. Once installed, enable the non-anonymous SSL mode.</p>
CS-42794	<p>Java libraries do not honor the expiration date of certificates for non-anonymous SSL communication.</p>
CS-42313	<p>Content Server does not support mapped shared directory drive while configuring repositories using the SAN or NAS devices.</p> <p>Workaround: Use the UNC path.</p>
CS-42178	<p>Mixed mode configuration of Content Server/connection broker in anonymous SSL mode and JMS/Content Server in non-anonymous SSL mode is not supported.</p>
CS-42063	<p>Retention or any other native policies of Data Domain is not honored as Content Server has no native integration with Data Domain as a file store.</p>
CS-41951	<p>Unable to install DMS and connect to the Content Server having non-anonymous certificates. This is because of the mixed mode (a combination of components with and without certificates), which is not supported.</p> <p>Workaround: Disable the certificates on all components before installing a new component.</p>
CS-41937	<p>When you install Content Server on multiple hosts, the <code>DM_SESSION_E_AUTH_FAIL</code> exception occurs in <code>server.log</code> and <code>ServerApps.log</code> on the remote Content Server (RCS) side.</p> <p>Workaround: Perform the following steps:</p> <ol style="list-style-type: none"> Navigate to Documentum Administrator > Client Rights Management > Privileged Clients > Manage Clients. All clients for both hosts are displayed. For the appropriate client on the secondary host, select the following options: <ul style="list-style-type: none"> Enable trusted login Enables trusted server privilege

Issue ID	Description
CS-41733	<p>Logging through IAPI when handling several login requests within a short time frame takes a long time. This is because the <code>DEVRANDOM</code> variable is not added in the startup script on Linux for remote Content Server (RCS).</p> <p>Workaround: Add the following lines in <code>DM_HOME/bin/dm_set_server_env.sh</code> before starting RCS:</p> <pre>DEVRANDOM=/dev/urandom export DEVRANDOM</pre>
CS-41543	<p>When you configure the global repository after installing Content Server, the <code>DFC_DOCBROKER_EXCLUDED</code> warning message occurs in the JMS, DFC, and ACS log files. This is because the Teredo Tunneling Pseudo-Interface is enabled.</p> <p>Workaround: Perform the following:</p> <ul style="list-style-type: none"> From the command prompt, type <pre>netsh interface teredo set state disabled</pre> <p>Or</p> <ul style="list-style-type: none"> Disable the IP Helper service from the Services dialog to disable the tunneling permanently. <p>Restart the machine.</p>
CS-41332	<p>UCF function fails when you upgrade Content Server and RMA. This is because the UCF installer adds the following line to the network configuration file causing UCF to use IPv6 which is not supported:</p> <pre><option value="-Djava.net.preferIPv6Addresses=true"/></pre>
CS-40885	[Russian] Character corruption is seen when you invoke the Content Server installation on a Russian Windows 2008 Server (64-bit).
CS-40415	<p>Unable to install Content Server on some localized Windows operating systems.</p> <p>Workaround: Create a group "Everyone" on the localized server operating system manually. Proceed with the Content Server installation.</p>
CS-40397	An error occurs when a user does not set a password for the database administrator user, and then attempts to create a repository. The password field of database administrator user should not be empty as there would be a security risk.
CS-37399 (CS-37500)	<p>The Content Server repository service name has a limitation of 32 characters, which causes problems for long repositories names when you configure Content Server using the CFSConfiguration utility.</p> <p>Workaround: Do not use long repository names that exceed 32 characters.</p>
CS-38845	Upgrading from earlier releases containing many system objects to 7.0 takes longer time than standard upgrades due to schema changes in the root type.

Issue ID	Description
CS-34238	Warnings are displayed in the log directory of DAR (IndexAgentDefaultFilters.dar and MessaginApp.dar) installations in the upgrade environment. However, you can ignore these warnings since the version label is not used any where in the BOF service class.
CS-32168	If a database user password has a dollar sign (\$) in it, installation of bundled software such as xCP Developer Edition fails and throws a bogus error: Runtime execution failed with child process
DC-7310	<p>Warning messages are displayed when DMS is started. For example:</p> <pre> WARN [org.jboss.as.ee] (MSC service thread 1-7) JBAS011006: Not installing optional component org.apache.cxf.transport .http.Servlet3ContinuationProvider\$Servlet3Continuation due to exception: org.jboss.as.server.deployment .DeploymentUnitProcessingException: JBAS011054: Could not find default constructor for class org.apache.cxf.transport .http.Servlet3ContinuationProvider\$Servlet3Continuation at org.jboss.as.ee.component .ComponentDescription\$DefaultComponentConfigurator .configure(ComponentDescription.java:606) at org.jboss.as .ee.component.deployers.EEModuleConfigurationProcessor .deploy(EEModuleConfigurationProcessor.java:81) at org.jboss.as.server.deployment.DeploymentUnitPhaseService .start(DeploymentUnitPhaseService.java:113) [jboss-as-server-7.1.1.Final.jar:7.1.1.Final] at org.jboss.msc.service.ServiceControllerImpl\$StartTask .startService(ServiceControllerImpl.java:1811) [jboss-msc-1.0.2.GA.jar:1.0.2.GA] at org.jboss.msc.service.ServiceControllerImpl\$StartTask .run(ServiceControllerImpl.java:1746) [jboss-msc-1.0.2.GA.jar:1.0.2.GA] at java.util.concurrent .ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1145) [rt.jar:1.7.0_17] at java.util.concurrent .ThreadPoolExecutor\$Worker.run(ThreadPoolExecutor.java:615) [rt.jar:1.7.0_17] at java.lang.Thread.run(Thread.java:722) [rt.jar:1.7.0_17] </pre> <p>However, you can ignore these warnings. The JBoss website contains more information.</p>

Issue ID	Description
DC-7495	<p>Warning messages are displayed in the server log directory while deploying ACS, BOCS, and DMS. For example: Class Path entry <JAR1 NAME> in "<JBoss 7.x HOME>/server/DctmServer_DMS/deployments/DMS.ear/dms-ws.war/WEB-INF/lib/<JAR2 NAME>" does not point to a valid jar for a Class-Path reference.</p> <p>However, you can ignore these warnings. The JBoss website contains more information.</p>
DFC-10601	<p>Installation fails on Solaris 11 with the Segmentation fault (core dumped) error.</p> <p>Workaround: To install on Solaris 11, copy libucb.so.1 from the /usr/ucblib/ folder on Solaris 10 to the /lib folder on Solaris 11.</p>

Server and Administration

Issue ID	Description
CS-55611	<p>When you enable JMS HA in Content Server HA on a CentOS/PostgreSQL docker environment, the primary repository is not accessible.</p> <p>Workaround: Enable the JMS_HA_AUTO_REFRESH_DISABLED flag.</p>
CS-55596	When you try to update the custom attribute values of a custom type object on a data partition enabled CentOS/PostgreSQL environment, it results in the DM_OBJ_MGR_E_SAVE_FAIL error.
CS-55248	When you enable JMS HA, it results in the Exception handling request to /XhiveConnector/servlet/XhiveConnectorServlet: javax.servlet.ServletException: command argument is null error in the primary JMS server logs. You can ignore this error as this does not impact the functionality.
CS-54700	When you try to change i_partition value above the maximum partition range on a data partition enabled CentOS/PostgreSQL environment, it results in deleting the dm_document object and the repository does not work.
CS-54379	Archiving is not supported on a data partition enabled CentOS/PostgreSQL environment.
CS-54357	The saveasnew operation duplicates the values of custom type repeating attributes on a data partition enabled CentOS/PostgreSQL environment.
CS-54227	When you try to destroy the lightweight objects on a data partition enabled CentOS/PostgreSQL environment, it results in the DM_QUERY_F_UP_DESTROY error.
CS-54197	When you try to alter a normal type to shareable type on a data partition enabled CentOS/PostgreSQL environment, the repository does not work.
CS-53868	Unable to move the existing objects data from the non-partitioned table to the partitioned table on a data partition enabled CentOS/PostgreSQL environment.

Issue ID	Description
CS-53851	When you run MIGRATE_TO_LITE RPC on a data partition enabled CentOS/PostgreSQL environment, the repository does not work.
CS-53769	When you try to alter an aspect type on a data partition enabled CentOS/PostgreSQL environment, it results in a segmentation violation error.
CS-53709	<p>Bundled Java does not work with CAS plug-in in a Docker container.</p> <p>Workaround:</p> <ol style="list-style-type: none"> 1. Ensure that the Docker container exports the port number 64443. 2. Install the latest Java and generate the client server certificates. 3. Copy the UnlimitedJCEPolicy jar files to Content Server Java, CAS Server Java and client server Java if you get the <code>java.security.InvalidKeyException: Illegal key size error</code>.
CS-53362	<p>Content Server crashes intermittently with AV error in the repository log.</p> <p>Workaround: Do not run the dm_LogPurge job concurrently on different Content Servers in a multi-server environment.</p>
CS-53307	When you invoke the RPC method, MIGRATE_TO_LITE with RECOVERY_MODE on a CentOS/PostgreSQL environment, it results in an error.
CS-53238	<p>When you start JMS after configuring the migration utility, it fails and reports an error in the JMS log.</p> <p>Workaround: Start JMS from <code>startMethodServer.cmd</code> instead of <code>services</code>.</p>
CS-52847	<p>Delay in executing drop_index call on a CentOS/PostgreSQL environment. This occurs only when select queries are frequently being executed on dm_sysobject types. Since read commit does not happen by default, drop index call hangs until the selects are not executed.</p> <p>Workaround: Set <code>lock_timeout</code> parameter in <code>postgresql.conf</code> to a value in millisecond (preferably to a lower value) so that any query statement waits only for the time as indicated in this parameter while attempting to acquire a lock on a table, index, row, or other database object. This is required if there is any exclusive lock on the tables in the database.</p>
CS-52769	The closeBatch and flushBatch methods do not work properly in a Windows/PostgreSQL environment.
CS-52561	When you create a blob store on a CentOS/PostgreSQL environment, it results in an error.
CS-51940	UpdateStatsDoc job does not work on a CentOS/PostgreSQL environment.
CS-51930	When you run the DBWarningDoc job on a CentOS/PostgreSQL environment, the fragmentation query does not work.
CS-51822	When dm_document is updated, attribute_list is not getting populated. This results in object IDs in dm_audittrail not returning in ascending order of its creation in the PostgreSQL database.
CS-50968	Content Server crashes with concurrent execution of dm_LogPurge jobs.

Issue ID	Description
CS-48951	Unable to create files greater than 4 GB using the put command of dmbasic on 64-bit versions of Windows and Linux. This is a dmbasic limitation.
CS-48914	When you run workflows, the Method Server crashes in AIX.
CS-48801	When you run the nested groups incremental LDAP synchronization job on Solaris, it fails for the <code>user_rename</code> and <code>group_rename</code> operations and reports an error in the JMS log.
CS-48656	When you open a file having special characters in its name on Linux, the Method Server crashes.
CS-46860	<p>If a repository uses an AEK key with a custom passphrase, restarting the machine or VM fails to restart the repository with the following error:</p> <pre>Failed to initialize keystore at C:\Documentum\dba\secure\CSaek. Internal error - 1057226525.</pre> <p>Workaround:</p> <ol style="list-style-type: none"> 1. Kill the running <code>dm_crypto_boot</code> processes, if any. 2. Run <code>dm_crypto_boot -passphrase <test> -all</code> 3. Start the repository.
CS-48516	In the Microsoft Cluster environment, LDAP synchronization job does not work with Microsoft Cluster virtual host name.
CS-47803	<p>LDAP synchronization in SSL mode fails with the <code>DM_LDAP_SYNC_E_EXCEPTION_ERROR: Illegal key size exception</code>.</p> <p>Workaround: Install the JCE plugin manually before you run the LDAP synchronization job.</p>
CS-45744	<p>The <code>dm_policy</code> object that is attached with the <code>dm_procedure</code> object can only be deleted by a superuser irrespective of the owner of the <code>dm_policy</code> object.</p> <p>Workaround:</p> <ol style="list-style-type: none"> 1. Unlink the <code>dm_procedure</code> object from the <code>dm_policy</code> object. 2. Delete the <code>dm_policy</code> object using the privileges used to create the <code>dm_policy</code> object. 3. Delete the <code>dm_procedure</code> object using the superuser privileges.

Issue ID	Description
CS-44221	<p>LDAP SSL user authentication does not work on Solaris.</p> <p>Workaround:</p> <ol style="list-style-type: none"> 1. Start the repository and get the process id on which it is running. 2. Using the process id, run the following command: <pre>truss -f -p <processid> >& aout.log</pre> 3. Import the certificate and run the LDAP synchronization job in SSL mode. 4. Authenticate the LDAP user to update the hash value of the certificate in the aout.log file. 5. Get the hash value of the certificate from the aout.log file. 6. Create a new copy of the existing certificate that you used for running the LDAP synchronization job in the LDAP certdb location, name it with the hash value, and authenticate the user. <p>Note: An error message appears when you try to run the LDAP synchronization job again. For example: ERROR: Failed to load certificate file /export/home/d72/dctm/dba/secure/ldapdb/9e513170.0: Certificate file name is not named using its expected SHA1 hash value 9f4080d1. This error occurs because it loads the existing certificate and does not load the certificate you created. Ignore the error message.</p>
CS-44167	<p>The EMC RSA plug-in for Documentum that allows Content Server to authenticate users based on RSA ClearTrust single sign-on tokens does not support RSA clustering. This is a RSA limitation.</p>
CS-43925	<p>When you attempt to transfer content through ACS and BOCS with the Asynchronous Write Job turned 'ON', the DFC deployed in the application context sends a message to DMS instructing it to store the content located in BOCS. The size of the message is directly proportional to the number of ACS server configuration objects and the number of base URLs in the ACS config objects.</p> <p>If the number of configuration objects or URLs exceeds 2, the message may get truncated when it gets stored in the DMS database. Therefore, it is recommended to avoid such configurations of ACS config object(s). This is a limitation.</p>
CS-43778	<p>In a AIX with DB2 combination, creating a folder with name containing the special characters ^^ results in an error.</p>
CS-43570	<p>If the number of file stores in Content Server are more than 100, any additional file stores created do not work and results in the following error: [DM_SESSION_E_STORESTAT_OVERFLOW]error: "The shared memory segment for caching the ONLINE/OFFLINE status of the Documentum Storage areas has reached its maximum size (100). Update access may be incorrectly given to Offline or ReadOnly storage area (28003039800002b7) .". The file store status of some of the stores may be incorrect. This is a limitation.</p>

Issue ID	Description
CS-42237	Auditing aspect attributes does not work.
CS-42094	Change object type to a subtype does not work for lightweight objects.
CS-41576	<p>LDAP synchronization fails when you try to synchronize a high count of user data from the Microsoft Active Directory with the <code>java.net.ConnectException: Connection timed out</code> exception.</p> <p>Workaround: Set the value of the <code>method_arguments</code> attribute in the LDAP synchronization job to 'ignore'.</p> <pre>API> retrieve,c,dm_job where object_name='dm_LDAPSynchronization' API> append,c,l,method_arguments SET> -referral <follow/ignore> API> save,c,l</pre> <p>Note: If you do not set this value, or specify some other value, the default value 'follow' is set.</p>
CS-41400	On UNIX and Linux, when both Content Server and connection broker are configured for Certificate-based SSL, if certificate-related errors occur, the server is unable to connect to connection broker. Repository/connection broker control is not possible using IAPI. You have to manually kill all server started processes to shutdown the server. This is a limitation.
CS-41252	<p>When querying, <code>agent_exec</code> loses time because it also goes through jobs that are dedicated to another server.</p> <p>Workaround: To avoid time loss, set the value of the <code>target_server</code> attribute to current server or ANY SERVER.</p>
CS-41027	<p>Redundant joins in newly created SDT views.</p> <p>Workaround: Perform the following steps:</p> <ol style="list-style-type: none"> 1. Create an environment variable <code>DM_NO_EXTRA_JOINS</code> and set its value as T. 2. Restart Content Server. <p>To update the existing views, do the following in SQLplus:</p> <pre>UPDATE dm_type_s SET views_valid = 0; commit;</pre> <p>Note: The view gets updated whenever you use a type object for the first time in Content Server. Otherwise, the view remains the same.</p>
CS-40838	<p>When two users perform a move operation of two folders simultaneously, the <code>r_folder_path</code> and <code>i_ancestor_id</code> parameters contain incorrect values causing folder inconsistencies in Oracle and SQL Server.</p> <p>Workaround: Add <code>disable_folder_synchronization = T</code> in the <code>server.ini</code> file. By default, the value is F.</p>

Issue ID	Description
CS-40701	<p>When running the <code>dm_event_sender_java</code> method using the <code>DO_METHOD</code> directly, the <code><argument_name>:<argument_value></code> pair needs to be passed in while executing the method. Passing only the <code>argument_value</code> (as done in the <code>dm_event_sender</code> docbasic method) does not work, unless the queue API is called. With queue API, DFC appends the <code>argument_name</code> before the <code>argument_value</code> during the execution of the Java method.</p> <p>All argument names are mandatory and have to be passed to the Java method. If a particular argument name has no value, pass an empty string.</p>
CS-40563	<p>ACCESS_VIOLATION found in the docbase log while running the business_policy suite. This is because Oracle version 11.2.0.3 is not certified on Microsoft Windows 2012 Server.</p> <p>Note: Oracle plans to certify the 11.2.0.4 database and client on the Microsoft Windows 2012 Server. 11.2.0.4 is not released yet.</p>
CS-40534	<p>Querying for repeating attributes using DQL displays the result in the same order as it is stored in the database.</p> <p>Workaround: Use the "ORDER BY i_position DESC" clause with the DQL query.</p>
CS-40474	<p>Performance issue is encountered when promoting a document in lifecycle, within a transaction. This occurs due to concurrent access to the <code>dmc_tcf_activity</code> object.</p>
CS-40238	<p>Unable to edit or perform a search based on the definition of the <code>a_retention_date</code> attribute for immutable objects.</p> <p>You must run the <code>UpdateDDInfoForRetentionDate.ebs</code> script manually to update the data dictionary information for <code>a_retention_date</code> attribute and republish the data dictionary information for the <code>a_retention_date</code> attribute of the sysobject and subtypes of the sysobjects for existing repositories.</p> <p>Execute the <code>UpdateDDInfoForRetentionDate.ebs</code> script on the Content Server machine where the repository is created, using the following command:</p> <ul style="list-style-type: none"> • On Windows: <code>dmbasic -f %DM_HOME%\bin\UpdateDDInfoForRetentionDate.ebs -eEntry_Point -- <docbaseName> <installOwner> <password></code> • On UNIX: <code>dmbasic -f \$DM_HOME/bin/UpdateDDInfoForRetentionDate.ebs -eEntry_Point -- <docbaseName> <installOwner> <password></code> <p>Note: If you have a new 7.1 or later installation, you do not have to execute the <code>UpdateDDInfoForRetentionDate.ebs</code> script. You must execute the <code>UpdateDDInfoForRetentionDate.ebs</code> script only if you have upgraded repositories and if you want to allow users to edit or perform a search using the <code>a_retention_date</code> attribute definition of immutable objects. For downloading the <code>UpdateDDInfoForRetentionDate.ebs</code> script or the latest Content Server patch containing the <code>UpdateDDInfoForRetentionDate.ebs</code> script, refer to EMC Online Support (https://support.emc.com).</p>

Issue ID	Description
CS-40207	<p>DoMail requests fail when static IP address is configured for JMS listen address. This is because DoMail class runs the validateRequestIPAddress method against the localhost's IP address.</p> <p>Workaround: To prevent DoMail requests from another Content Server (on a different host) from failing, you must add an init parameter to DoMail's web.xml. The name of this parameter must start with the keyword 'ip-' and its value must be the IP address of a trusted host. For example:</p> <pre><servlet> <servlet-name>DoMail</servlet-name> <description>Documentum Mail Servlet</description> <servlet-class>com.documentum.server.impl.mailervlet.DoMail< /servlet-class> <init-param> <param-name>ip-192.168.0.1</param-name> <param-value>192.168.0.1</param-value> </init-param> </servlet></pre>
CS-39933	<p>Using comma in the LDAP binding password results in an error.</p> <p>Workaround: Use the single quote if the password has a comma. For example:</p> <pre>API> encrypttext,c,'password,123'</pre>
CS-39852	<p>Content Storage Services (CSS) and Trust Content Services (TCS) may be limited by the configurations of the underlying storage platform. For example, Centera retained content cannot be removed as part of a content migration to a new file store. Also, Centera and Atmos provide their own mechanisms for encryption, compression and de-duplication.</p>
CS-39775	<p>Renaming and deleting users and groups fail in the LDAP synchronization with the Oracle Internet Directory (OID) Server.</p>
CS-39553	<p>Deletion of nested groups from the LDAP directory server is not properly synchronized to Content Server.</p> <p>Workaround: Explicitly provide a value for input argument -full_sync for the LDAP synchronization job through Documentum Administrator before running it: TRUE for full sync; FALSE for incremental sync.</p>
CS-39232	<p>acl_check_db cannot be set to TRUE with QBS. This is because DFC does not support setRange with double security check in Content Server.</p>
CS-37048	<p>Content migration, encryption, de-duplication and compression of content in to Atmos store is not supported.</p>
CS-35195	<p>On Linux, there is a short delay between the dormancy status of a repository changes and the new dormancy status is projected to the connection broker. This is a limitation.</p>
CS-35117	<p>dm_check_password utility does not work on Windows 2008 domains because of Samba limitations. Instead, use the LDAP. This is a limitation.</p>

Issue ID	Description
CS-5772	HTML email does not work on Solaris, while the same email can be correctly sent as HTML in Windows.
DC-6297 DC-6084	<p>If one of the following errors occurs on DFC/UCF running on Tomcat 7.0, you might need to set the HTTP request timeout to a value that is more appropriate for your environment:</p> <pre>log4j:WARN Detected problem with connection: java.net .SocketException: Software caused connection abort: socket write error java.io.IOException: missing CR</pre> <p>You set this value in either the <code>connectionTimeout</code> or <code>keepAliveTimeout</code> property in <code>server.xml</code>. Values that usually work are between 2 to 4 minutes.</p> <p>Note: This timeout is caused by an issue in Tomcat 7.0.</p>
DC-5999	<p>Importing file through an ACS location from Webtop fails.</p> <p>When the ACS server and the global registry are of different versions, for example, a 6.7 SP1 ACS and a 7.0 global registry, add the entry for the global registry to the <code>acs.properties</code> file. This file is located in following location:</p> <p>On Windows: <code>%DOCUMENTUM%\jboss5.1.0\server\DctmServer_MethodServer\deploy\acs.ear\lib\configs.jar\config\acs.properties</code></p> <p>On Linux: <code>\$DOCUMENTUM/jboss5.1.0/server/DctmServer_MethodServer/deploy/acs.ear/lib/configs.jar/config/acs.properties</code></p> <p>Add the following entry to the <code>acs.properties</code> file:</p> <pre>repository.acsconfig.1=ACSCONFIG1 #ACS Config object name for global registry Content Server repository.name.1=docbase #Global registry name repository.login.1=Administrator #Global registry superuser repository.password.1=password #Global registry superuser password</pre>
DFC-11836	[Internationalization] <code>dd_ppoulate.ebs</code> for <code>Loadadatadictionary</code> populates labels only in two-letter locale names even though the data dictionary file contains <code>locale_name</code> with five-letter locale.

Issue ID	Description
DFC-10894	Invalid license exception occurs during multi-domain authentication when Content Server internal JDK is used.
DA-10459	<p>Unable to access DFC client application when Kerberos SSO is configured using Sun Login module "com.sun.security.auth.module.Krb5LoginModule required" on the SUSE Linux environment. This happens when the application server is configured with the SUSE Linux environment. The following error message is displayed when you try to access Documentum Administrator:</p> <pre>SEVERE [http-nio-8080-exec-8] org.apache.catalina.core .StandardWrapperValve.invoke Servlet.service() for servlet [ComponentDispatcher] in context with path [/da] threw exception [Servlet execution threw an exception] with root cause java.lang.ClassNotFoundException: com.dstc.security.kerberos.NotYetDecryptedException</pre>

Documentation

Issue ID	Description
NA	Product documentation might contain references to client applications and functionality that are not supported in the 7.x release, though these applications and functionality may become compatible in a future release. Only those client applications listed as compatible in the EMC E-LAB Interoperability Navigator are supported in 7.x.

Environment and System Requirements

This section describes the environment and system requirements.

Note:

- An EMC product configuration running on a particular environment is supported as long as versions of the components in the environment (for example, operating system, database, web server, browser, SSO, Directory Servers, and so on) are in standard/primary support by their vendors.
- Software requirements are listed with release numbers. Software updates—including patches, Service Packs, and equivalent updates—sometimes introduce unanticipated changes. Compatibility with software updates that are not listed here cannot be guaranteed.
- All certifications provided in this document are relevant to the current release. Certifications for patches are documented in the *Patch Notes* documents published for the patch releases.

Hardware Requirements

This section provides information on the hardware requirements.

Item	Requirement
Memory [1] [3] [4]	<ul style="list-style-type: none"> 8 GB RAM on Windows, Red Hat Enterprise Linux, and AIX systems 12 GB RAM on Solaris systems
Disk space [2]	40 GB
<p>[1] The amount of RAM that is available after taking into consideration all other RAM utilization requirements. We recommend that you run the xPlore and Content Server on separate host machines.</p> <p>[2] If you are installing Content Server on a UNIX or Red Hat Enterprise Linux system, 2 GB of space are required in the /var/tmp directory. If you use a temp directory that shares the same disk partition as the installation destination, you must add an additional 2 GB to the disk requirement for the installation destination.</p> <p>[3] On a Red Hat Enterprise Linux host, 4 MB minimum shared memory allocated and semaphores must be enabled.</p> <p>[4] The amount of memory required depends on a variety of factors such as the number of docbasic methods being run, the number of docbasic method server worker threads, the number of Java methods, JBoss, and so on. Insufficient memory in the system might generate errors such as <i>java.lang.OutOfMemoryError</i>. In such situations, calculate and fine-tune the memory parameters in the \$DM_HOME/bin/java.ini and/or increase system's physical memory.</p>	

Software Requirements

The [EMC E-LAB Interoperability Navigator](#) contains the software requirements information for your product.

Installation and Upgrade

Before beginning installation, ensure that your system meets the requirements. After installation, be sure to update your EMC product to the latest patched release, if any patches are available.

EMC Documentum Platform and Platform Extensions Installation Guide contains the instructions on installing and configuring Documentum Platform and Platform Extensions products. EMC

Documentum System Upgrade and Migration Guide contains the instructions on upgrading the entire Documentum system.

Documentum Administrator

Product Description

Documentum Administrator enables you to monitor, administer, configure, and maintain Documentum servers, repositories, and federations located throughout your company from one system running a web browser.

The audience for Documentum Administrator consists of server administrators, Site Caching Services (SCS) administrators, Webtop administrators, Web Development Kit (WDK) administrators, Content Intelligence Services (CIS) administrators and taxonomy managers, IWS administrators, and Content Transformation Services (CTS) administrators. These are primarily experienced Documentum users who generally install and configure Documentum products and perform administrative tasks, and should have the following basic background knowledge:

- An understanding of client/server technology
- Familiarity with Web browser/application server technology
- Familiarity with relational database concepts
- Familiarity with Microsoft Office products

New and Changed Features

This section highlights the major functionality changes included in this release. Refer to the product documentation for complete information about these features.

JMS HA Configuration

You can now use Documentum Administrator to view and modify the configuration of JMS HA setup. This is applicable only if your Content Server version is 7.3 and later and also if you have enabled the `JMS_HA_SETUP_ENABLED` flag in the `dm_docbase_config` object.

OpenStack Swift Store

Documentum Administrator now supports creating, viewing, or modifying OpenStack Swift stores.

Enhancements to CTS Administration

Documentum Administrator now provides the capability to edit CTS profiles and monitor transformation requests. These capabilities are reused from Digital Asset Manager.

Support for Docker

You can now install and configure Documentum Administrator on a Docker container.

Fixed Issues

This section identifies issues that have been resolved in this release.

Issue ID	Description
DA-10738	BOCS config object is deleted when you click Cancel on New object creation page.
DA-10568	A blank white box displays on modal pop-up on Internet Explorer 10 standard mode.
DA-10557	Opening Workflow page throws error if PE is not installed.
DA-10411	White space error occurs while accessing type properties page.
DA-10408	White space error occurs while accessing index queue listing page.
DA-10405	White space error occurs while accessing ACL permission page.
DA-10395	White space error occurs while accessing migrate content admin method page.
DA-10369	Docset filter on DA does not support value list with wildcard capability.
DA-10351	MIGRATE_CONTENT Administration Method fails to run.
DA-10340	Security vulnerability: Arbitrary File Upload possible through WebTop
DA-10309	Memory leak occurs while accessing LDAP configuration properties.
DA-10303	Searching the Audit trail using Dates and Time predicate do not work. However, searching with only Dates provides results.

Issue ID	Description
DA-10301	Exception is thrown when user logged into non-global repository and clicks admin access node.
DA-10200	The parameter 'Query Batch Size' cannot be included as a migration policy parameter in the job properties in Documentum Administrator.

Known Issues and Limitations

This section identifies known product issues and limitations that may affect your use of the product.

Server

Issue ID	Description
DA-10246	<p>LDAP SSL validation fails when Documentum java is used.</p> <p>Workaround: To resolve the issue, perform the following steps:</p> <ol style="list-style-type: none"> 1. Download JCE plugin (UnlimitedJCEPolicyJDK.zip) from Java website for your Java version. 2. Extract the zip file and copy the local_policy.jar and US_export_policy.jar. 3. Go to JAVA_HOME/jre/lib/security and replace both the jars at this location. 4. Clear the cache and restart the application server.
DA-10122	<p>If you attempt to use secure connection from a 7.0 instance of DFC against an earlier release of Content Server, the connection fails. DFC and Content Server secure connections from 7.0 onwards uses TLS for encryption but earlier releases used SSLv3.</p> <p>Workaround: To allow SSLv3 connections from 7.x DFC to pre-7.x Content Server, edit the file,</p> <pre>\$JAVA_HOME/jre/lib/security/java .security</pre>

Issue ID	Description
	<p>and add the following line:</p> <pre>com.rsa.cryptoj.jsafe .fips140initialmode=NON_FIPS140_MODE</pre> <p>However, editing the file allows DFC to use non-FIPS 140-2 validated encryption modules for the connection.</p>
DA-9910	The storage space information of filestore is inconsistent because of the incorrect values of filestore object set by the server.
DA-9422	On UNIX platform, the change checker updates the dormancy status and therefore, causes a delay (around 4-5 minutes) in correctly displaying certain menus in Documentum Administrator, such as Make Active, Make Dormant, Project Active Status to docbroker, and Project Dormant status to docbroker. This is a limitation of Content Server on UNIX platform.
DA-8932	<p>If you add a primary or an HA docbroker entry in the dfc.properties file, then on the server listing page only one connected server has a status of Running. The remaining HA server has a status of Unknown.</p> <p>If you connect through the HA server, then the HA server status is Running and the primary server status is Unknown.</p> <p>Workaround: To resolve this issue, add both primary and HA docbroker entries in the dfc.properties file. The projection entries for both nodes in the dfc.properties file are described below:</p> <pre>dfc.docbroker.host[X]=<docbroker host(primary)> dfc.docbroker .port[X]=<docbroker port(primary)> dfc.docbroker.host[X+1]=<docbroker host(HA)> dfc.docbroker.port[X+1] =<docbroker port(HA)></pre>

Administration

Issue ID	Description
DA-9671	When you run a sequence from DQL editor in Documentum Administrator, the sequence increments by 2 instead of 1.
DA-9425	Content migration to Atmos store fails from Documentum Administrator.
DA-3607	The dm_message_archive object type is lost in docset properties. When a user creates a new docset with an dm_message_archive object type and saves it, the object type is lost. This behavior does not occur in any other object type except the dm_message_archive type.
DA-1264	After the owner of an ACL is changed, the acl_domain of the ACL associated with an object does not reflect the updated owner. The object's acl_domain has not been updated to the new owner, but is still pointing to the old owner. This can cause security issues when viewing the object associated with the updated ACL.

Client

Issue ID	Description
DA-10557	Opening a workflow using the Documentum Administrator menu results in an error.
DA-10251	<p>The pop-up window displays a blank page when it loads the locator on Internet Explorer 11. The issue is limited to the latest update of Internet Explorer 11, version above 11.0.9431.181.</p> <p>Workaround: If you are using Internet Explorer 11 above 11.0.9431.181 version, disable modal pop-up in wdk/app.xml.</p> <pre><modalpopup> <filter clientenv ='webbrowser'> <enabled>>false< /enabled></pre>
DA-10216	<p>When performing a search operation in the Documentum Administrator Help page, the system displays the 404 error.</p> <p>Workaround: Use Internet Explorer.</p>

Issue ID	Description
DA-9430	Documentum Administrator displays negative values for user-created file stores. However, for the default file store (filestore_01), it displays the proper value.
DA-9339	<p>Import/export operation does not work in Documentum Administrator running on IBM WebSphere Application Server.</p> <p>Workaround: To make the import/export operation work, in the application server admin console, navigate to Application Servers > <Server name> > Session management > Cookies and clear the Set session cookies to HTTPOnly to help prevent cross-site scripting attacks option.</p> <p>If there are multiple applications deployed in the same application server and you require to set the flag HttpOnly for WDK applications, then perform the following steps:</p> <ol style="list-style-type: none"> 1. In the application server admin console, navigate to All Applications > Documentum Administrator > Session management > Cookies and clear the Set session cookies to HTTPOnly to help prevent cross-site scripting attacks option. 2. Navigate to All Applications > Documentum Administrator > Session management and select the Override the session management option.
DA-9225	Browser crash occurs with Firefox 17 when more than 15 windows or 20 tabs are opened. This issue is more likely to occur if operations are launched through automated scripts that open the Firefox browser windows or tabs.
DA-8848	The user is able to delete a calendar associated with a process.
DA-8823	<p>When the user tries to complete a workqueue task, the operation fails with an error. This is because the model cache is not refreshed on deployment and redeployment of the application.</p> <p>To resolve this issue, restart the application server whenever the application is deployed/redeployed.</p>

Issue ID	Description
DA-8779	When you try to complete a task having a transition condition, the operation fails with the <code>java.lang.NoClassDefFoundError</code> error.
DA-8775	<p>The workload option for a queue does not list any tasks.</p> <p>Workaround:</p> <ul style="list-style-type: none"> • Double click the workqueue, or • Select the workqueue and navigate to Tools > Workqueue Management > Workload
DA-8478	When using Windows 7, downloading a supported third-party SVG player to view 'Instance view' of a process does not work.
DA-8026	The Creation Date is not formatted correctly on the Manage Clients page.
DA-3682	Users must save the LDAP configuration object on the Failover tab of the LDAP Server Configuration page to update the attribute mapping for LDAP failover. If the LDAP configuration object is saved from any of the other tabs, the attribute mapping is not updated.
NA	For Internet Explorer, the pop-up blocker prevents HTTP content transfer operations in Documentum Administrator. Turn off the pop-up blocker for HTTP transfer.

Localization

The following limitations exist because DFC messages do not support localization:

Issue ID	Description
DA-10194	Localized characters are shown as question marks in DQL and API execute result page.
DA-8614	A non-localized error message is returned when the user attempts to open a new transaction while the server is in a dormant state.
DA-8612	A non-localized error message is returned when the user attempts to check in a document while the server is in a dormant state.

Issue ID	Description
DA-8610	A non-localized error message is returned when the user attempts to make a connection with insufficient privileges.
DA-8608	A non-localized error message is returned when a user attempts to save an object while the server is in a dormant state.
DA-8606	A non-localized error message is returned when a user_name exceeds 255 characters.

Documentation

Issue ID	Description
NA	Product documentation might contain references to client applications and functionality that are not supported in the 7.x release, though these applications and functionality may become compatible in a future release. Only those client applications listed as compatible in the EMC E-LAB Interoperability Navigator are supported in 7.x.

Environment and System Requirements

This section describes the environment and system requirements.

Note:

- An EMC product configuration running on a particular environment is supported as long as versions of the components in the environment (for example, operating system, database, web server, browser, SSO, Directory Servers, and so on) are in standard/primary support by their vendors.
- Software requirements are listed with release numbers. Software updates—including patches, Service Packs, and equivalent updates—sometimes introduce unanticipated changes. Compatibility with software updates that are not listed here cannot be guaranteed.
- All certifications provided in this document are relevant to the current release. Certifications for patches are documented in the *Patch Notes* documents published for the patch releases.

Hardware Requirements

This section provides information on the hardware requirements.

Item (for browser machine)	Requirement (for browser machine)
CPU and Memory [1]	WDK-based client applications need a client machine to run the supported software configurations listed in browser environment tables and whatever disk space, RAM, or CPU requirements specified by third-party products such as Microsoft Office.
Disk space [2]	WDK-based client applications may install applets and JRE that require approximately 100 MB of free disk space. Additionally, you need sufficient free disk space to handle checked-out and cached documents.
<p>[1] The amount of RAM that is available after taking into consideration all other RAM utilization requirements.</p> <p>[2] You must have sufficient free disk space to handle temporary content transfer files, which can vary substantially from one enterprise to another.</p>	

Item (for web application server machine)	Requirement (for web application server machine)
CPU	2 GHz or greater
Memory [1]	4 GB RAM
Disk space [2]	40 GB
<p>[1] The amount of RAM that is available after taking into consideration all other RAM utilization requirements.</p> <p>[2] You must have sufficient free disk space to handle temporary content transfer files, which can vary substantially from one enterprise to another.</p>	

Software Requirements

The [EMC E-LAB Interoperability Navigator](#) contains the software requirements information for your product.

EMC Product Requirements

This section lists the Documentum products that are depended on in order to achieve a basic level of functionality and lists the related Documentum products that enhance the overall functionality.

One of each of the following product versions listed for each product is/are prerequisites.

Product	Compatible Releases
Content Server	6.7 SP2, 7.0, 7.1, 7.2, 7.3
Documentum Foundation Classes	7.3

Installation and Upgrade

Before beginning installation, ensure that your system meets the requirements. After installation, be sure to update your EMC product to the latest patched release, if any patches are available.

EMC Documentum Platform and Platform Extensions Installation Guide contains the instructions on installing and configuring Documentum Platform and Platform Extensions products. *EMC Documentum System Upgrade and Migration Guide* contains the instructions on upgrading the entire Documentum system.

Documentum Foundation Classes

Product Description

DFC is a key part of the Documentum software platform. While the main user of DFC is other Documentum software, you can use DFC in any of the following ways:

- Access EMC Documentum functionality from within one of your company's enterprise applications.
- Customize or extend products.
- Write a method or procedure for Content Server to execute as part of a workflow or document lifecycle.

In terms of Documentum functionality, DFC lies between Content Server and clients and are used for server-side business logic and customization.

New and Changed Features

This section highlights the major functionality changes included in this release. Refer to the product documentation for complete information about these features.

Support for Docker

You can now install and configure Documentum Foundation Classes on a Docker container.

Fixed Issues

This section identifies issues that have been resolved in this release.

Issue ID	Description
DFC-13730	When you set the locale to "nb" in DFC, it results in the XQUERY_ERROR_VALUE: Unknown collation "nb" (FOCH0002) exception.
DFC-13705	DFC needs to provide an option to remove custom Summary highlighting for Xquery.

Issue ID	Description
DFC-13671	The java.util.ConcurrentModificationException exception occurs while using the global session pool option.
DFC-13654	The value of the remaining life time of the delegated credential object is returned from the GSSContext object in case the delegated object is returned null. The delegated credential becomes null in some specific environments when constrained delegation is enabled.
DFC-13638	Iterator was not released in ResultsIteratorToListener.
DFC-13607	An attribute's expression constraint validation fails if the attribute value is not provided.
DFC-13470	If a repeating attribute is added in the child type and if you search using the parent type, it results in an incorrect return value for the repeating attribute.
DFC-13443	Content availability through ACS and BOCS does not work due to stale cached copy of content object.
DFC-13390	NoSuchElementException is thrown by "AbstractTransformingClassLoader .getManifest" when the requested jar is last in the enumeration of classpath resources.
DFC-13380	dm_run_dependent_jobs fails to authenticate with custom aek.key passphrase.
DFC-13303	Enabling useD7SessionPooling causes locked domain users.
DFC-13272	When you select some files in Virtual Document Manager and right-click, the context menu does not appear.
DFC-13230	When you run DQL "select * from ...", the following error message occurs: Remove wildcards (* or ?) as they are not supported in the full-text expression by this source.
DFC-13220	DFC throws the "[DM_ACL_E _NOMATCH]error: "No ACEs matched for the name '<user name>' in the ACL '<acl name>' exception if the basic and extended permissions of an accessor are completely revoked on an ACL object.

Issue ID	Description
DFC-13204	An "Invalid date string" error occurs when the UTC time string contains value between 2 to 3 PM EST on 3/8/2015.
DFC-13194	Correct IDfSession collectMetrics(List metricsToCollect) method that JMS metrics is not supported as CS metrics covers JMS load also.
DFC-13169	<p>The Kerberos utility code is causing a run time error as mentioned below:</p> <pre> Exception: ===== com.emc.documentum.fs.rt .AuthenticationException: com/dstc/security/kerberos /NotYetDecryptedException. com.dstc.security.kerberos .NotYetDecryptedException Caused by: java.lang .ClassNotFoundException: com.dstc.security.kerberos .NotYetDecryptedException </pre> <p>This error occurs when sun login module is used for Kerberos SSO authentication (i.e. when quest libraries are removed from the application class path and SUN login module is configured in the JAAS config file).</p>
DFC-13147	Search on dm_message_archive type does not return r_content_size to Webtop.
DFC-13080	The DfQueryProcessor.search() or DfQueryProcessor.blockingSearch(0) will block when you start a transaction before the search.
DFC-13073	Fail to create a customized object (the type is andrewType953112) using DFC due to "Need to change algorithm because server did something different: andrewtype953112 != andrewType953112;"
DFC-13050	DFC generates "ftcontains" for "SEARCH_OP_EQUAL" and "ftcontains fnot" for "SEARCH_OP_NOT_EQUAL".
DFC-13043	The DFC exception is raised when using a IDfExportOperation.setXMLSystemId specifying a file URL instead of a path, during content export.

Issue ID	Description
DFC-13022	The BOF Module having an object_name which is same as the type name gets its implementation class loaded by bof cache manager leading to DM_DFC_E_BAD_CLASS.
DFC-12973	Unable to start WebLogic servers due to deadlocks.
DFC-12957	Exception occurs when the attribute does not exist.
DFC-12923	The full text alias cannot be mapped to an interface.
DFC-12891	Since the quest libraries depend on the default OS level and TCP/IP timeout value, the quest calls are struck for more than 20 seconds if a KDC is unavailable to which a request is sent.
DFC-12866	IDfXMLTransformation execution does not report XALAN failures.
DFC-12864	Unable to add a qualifier in a docset with a "contains" operator and multiple values separated by commas.
DFC-12854	DFC instance does not fetch content and returns the [DFC_SESSION_UNKNOWN_SERVER_RESPONSE] error.
DFC-12774	SBO hot deployment does not update the BOF cache in Taskspace.
DFC-12757	The NullPointerException is noticed when constrained delegation is enabled in some environments. The reason for this issue seems to be that the GSSCredential object is null in those cases.
DFC-12719	When upgrading DFC, the DFC_PRIVILEGE_ERROR_ABUSE_ATTEMPT :incompatible roles found for 'dmc_policy_coordinator' module error occurs.
DFC-12635	DA/TaskSpace deployment fails on JRE 1.8 Update 25 64-bit as DFC was using older version of Java assist.
DFC-12537	Authentication failure for Kerberos tickets size more than 64k.
DFC-12510	The dm_WFReporting job cutoff_time_utc is taken from time_stamp and not from time_stamp_utc attribute.

Issue ID	Description
DFC-12304	DFC throws OOM PermGen Space error when the Documentum application is undeployed and re-deployed for multiple times on Tomcat application server.
DFC-11999	The NullPointerException error occurs with Unified Login as the Java Vendor name is changed in JDK 1.7 from Sun to Oracle.

Known Issues and Limitations

This section identifies known product issues and limitations that may affect your use of the product.

Issue ID	Description
DFC-13611	<p>Unable to perform the RPS-related privileged operations using WildFly 9.0.1. This is a WildFly issue.</p> <p>Workaround: Add the <code>permissions.xml</code> file in <code>ServerApps.ear\META-INF</code> in Content Server and in <code>records.war\META-INF</code> (only if WildFly is used as application server) to give propagate action for RolePermission.</p> <p>For example:</p> <pre><?xml version="1.0" encoding="UTF-8"?> <permissions xmlns="http://xmlns.jcp.org/xml/ns/javaee" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee http://xmlns.jcp.org/xml/ns/javaee/permissions_7.xsd" version="7"> <permission> <class-name>com.documentum.fc.client.impl.bof.security .RolePermission</class-name> <name>*</name> <actions>propagate</actions> </permission> </permissions></pre>
DFC-13476	<p>Certain mock tests with 7.3 DFC might encounter a JVM crash with the exception "Expecting a stackmap frame at branch target \$lt;\$lt;nn>> in method". Where nn is location in the stackmap table.</p> <p>The reason for this behavior is the new Java 1.7 bytecode format. In addition to this, the bytecode verifier now performs more strict checks. DFC 7.3 has upgraded to latest Java assist for JDK 8 support. However, the latest Java assist bytecode manipulation still uses JDK 6 mode.</p> <p>Workaround: Force the use of the old bytecode verifier in JDK 7 by adding the VM runtime option: <code>-XX:-UseSplitVerifier</code> or setting <code>-noverify</code>.</p>

Issue ID	Description
DFC-12824	<p>When you use Java bundled with Documentum to generate the certificates using the command <code>keytool.exe -genkey -alias tomcat -keyalg RSA -keystore jms.keystore -storepass password</code>, the following error appears:</p> <p>keytool error: java.lang.IllegalArgumentException: publicKey's is not X.509, but X509</p> <p>Workaround: Change the following text in <code>java.security</code> file located at <code>C:\Program Files\Documentum\java\1.7.0_72\jre\lib\security\java.security</code>:</p> <pre>security.provider.1=com.rsa.jsse.JsseProvider security.provider.2=com.rsa.jsafe.provider.JsafeJCE security.provider.3=com.rsa.jsse.JsseProvider security.provider.4=com.rsa.jsafe.provider.JsafeJCE</pre> <p>to</p> <pre>security.provider.1=sun.security.rsa.SunRsaSign security.provider.2=com.rsa.jsafe.provider.JsafeJCE security.provider.3=com.rsa.jsse.JsseProvider security.provider.4=sun.security.provider.Sun</pre>
DFC-12559	<p>When DFC performs a check in operation, it finds the attribute name as <code>ADD_LABEL</code> and not as <code>r_version_label</code> resulting in the "value is too big for attribute 'ADD_LABEL'. Value UTF-8 length is 71. Maximum length is 32" error message. This is because DFC adds the version label value to the extended data attribute <code>ADD_LABEL</code> during the check in operation. This is an expected behavior as Content Server expects the version label value through extended data attribute <code>ADD_LABEL</code> instead of sysobject's attribute <code>r_version_label</code>.</p>
DFC-11762 (CS-41543)	<p>When you configure the global repository after installing Content Server, a <code>DFC_DOCBROKER_EXCLUDED</code> warning message is generated in the JMS and ACS log files. This problem occurs when the Teredo Tunneling Pseudo-Interface is enabled.</p> <p>Workaround: Disable the Teredo Tunneling Pseudo-Interface by using the following command.</p> <pre>netsh interface teredo set state disabled</pre> <p>Alternatively, disable the IP Helper service from the Windows Services console. This method also disables the Teredo Tunneling Pseudo-Interface.</p>
DFC-11749	<p>Authentication to client applications like TaskSpace, Webtop, and Documentum Administrator fails due to changes in the RSA encryption algorithm (FIPS).</p> <p>Workaround: To enable your client such as TaskSpace 6.7 SP2 to work with Content Server 7.1, you must perform the following steps to update the <code>dm_bof_registry</code> user</p>

Issue ID	Description
	<p>password since Content Server 7.1 uses a different encryption algorithm (FIPS/SHA1) than the one that earlier versions of Content Server use (MD5):</p> <ol style="list-style-type: none"> 1. Decrypt the dm_bof_registry user password using the decrypt API of the RegistryPasswordUtils class in DFC 7.1 to get the plain text password. 2. Encrypt the plain text password using the encrypt API of the RegistryPasswordUtils class in DFC 6.7 SP2 on the client. 3. Place the encrypted password in dfc.properties on the client. <p>From a command prompt, execute the following command to generate the encrypted form of the global registry user's password:</p> <pre>java -cp dfc.jar com.documentum.fc.tools.RegistryPasswordUtils password_of_user</pre> <p>where password_of_user is the clear-text password of the global registry user.</p>
DFC-11735	<p>DFC 6.7 SP2 running in the secure mode is not compatible with Content Server 7.1 that has certificates created for both DOCBROKER and DOCBASE. This combination causes the following error message:</p> <pre>DfException in TDfSummaryLogManager.java: unable to make docbase connection! DfDocbrokerException:: THREAD: main; MSG: [DFC_DOCBROKER_REQUEST_FAILED] Request to Docbroker "dualcs:1489" failed; ERRORCODE: ff; NEXT: null</pre>
DFC-11635	<p>Removing a user using the method IDfGroup.removeUser from a group object on which an audit trail event is enabled causes insert-related audit information to be unexpectedly recorded in the audit trail record in addition to the delete-related audit information.</p> <p>Workaround: Use the IDfGroup.remove method when an audit recording is needed. This workaround only applies to groups with a small number of users, because the SWAP operation in IDfGroup.removeUser is needed to address the performance issues for groups having a large number of users.</p>
DFC-11529	<p>An error in DFC causes performance issues in multi-domain Kerberos authentication in Documentum REST Services.</p> <p>Workaround: To achieve better performance, enable the ticket cache on the server side.</p>
DFC-11130	<p>When a DFC session is reconnected, the server generates an audit event and updates the login time.</p>
DFC-10901	<p>An invalid license exception occurs during multi-domain Kerberos authentication.</p>
DFC-10666 (CS-38188)	<p>DFC only supports UTF-8 characters. Any software that uses other character encoding to integrate with DFC may encounter problems. This limitation mainly affects SSO software, such as SiteMinder, when clients try to authenticate with non-UTF-8 characters.</p>

Issue ID	Description
DFC-10601	<p>Installation fails on Solaris11 with the Segmentation fault (core dumped) error.</p> <p>Workaround: To install on Solaris11, copy <code>libucb.so.1</code> from the <code>/usr/ucblib/</code> folder on Solaris10 to the <code>/lib</code> folder on Solaris11.</p>
DFC-10310	<p>If you attempt to use secure connection from a 7.0 instance of DFC against an earlier release of Content Server, the connection fails. DFC and Content Server secure connections from 7.0 onwards uses TLS for encryption but earlier releases used SSLv3. SSLv3 connection from 7.0 DFC to pre-7.0 Content Server, page 83, provides a workaround.</p>
DFC-9900	<p>For the 7.0 release, changes were done to the DFC cryptography code. Also, replaced the non-FIPS 140-2 MD5 algorithm with SHA1. This means that beginning with the DFC 7.0 release, all passwords will be encrypted using the new algorithm. Older (pre-7.0 release) DFC clients that attempt decrypt post-7.0 release encrypted passwords will fail. However, a post-7.0 release DFC can still decrypt pre-7.0 release encrypted passwords (with a warning), for backward compatibility.</p>
DFC-7934	<p>The <code>include_content_and_markup</code> option is not implemented. Selecting this option in the XML application builder does not work.</p>
DFC-4445	<p>Copying an object in Webtop will copy subscriptions to the object, as well.</p>
DFC-1376 (DFC-6012)	<p>Using PIA, the client is unable to use the <code>getContent()</code> method to read data into memory. The recommended approach for reading the data into memory is to use a code snippet such as the following:</p> <pre>dfclientX.ByteArrayInputStreamToString (sysObject.getContent())</pre> <p>(The return value of <code>getContent()</code> is not a defined class in C#.NET.) This approach works for ASCII data. For non-ASCII data, only a small portion of the data is read .</p> <p>Workaround: Use <code>getFile(filename)</code>. This workaround has performance and security considerations.</p>
DFC-1179 (DFC-5815)	<p>A .NET program using DFC reads the <code>log4j.properties</code> file only when the properties file is inside the <code>C:\Documentum\Config</code> folder. Placing the properties file in another folder in the <code>CLASSPATH</code> does not work.</p>
DFC-1073 (DFC-5709)	<p>The <code>getChildRelatives</code> method of a class that implements the <code>IDfPersistentObject</code> interface always returns the <code>child_id</code> of the <code>dm_relation</code> object, regardless of the value of <code>child_label</code>.</p>
DFC-843 (DFC-5480)	<p>If you check out a replica of a document, the system checks the original document out as well. If you check in the replica, the system checks the original back in as well.</p> <p>However, DFC does not support checking out a replica, then subsequently checking in the original directly.</p>

Issue ID	Description
DFC-697 (DFC-5334)	<p>When an XML document contains the pre-defined XML entities of > and ' or any numeric entity in an XML attribute, the entity is expanded in an exported document. The numeric entities are expanded for those characters that are not in the character set of the exported document. This means that the markup</p> <pre><technology transfer="<Analog> & "Digital ' &#165;"/></pre> <p>will be exported as</p> <pre><technology transfer="<Analog> & "Digital ' Y/></pre> <p>where Y is the symbol for Yen.</p>
DFC-695 (DFC-5332)	<p>The DFC IDfExportOperation does not preserve the line sequence from original XML content. For example, if the original sequence of elements is:</p> <pre><books> <book></pre> <p>Sequence after Export:</p> <pre><books><book></pre> <p>While this behavior might be unexpected, the XML content is still valid.</p>
DFC-452 (DFC-5093)	<p>It is not possible to lock a rendition to prevent it from being deleted. For example, when you try to export an object, and at the same time another user with appropriate permission over the object deletes it, the deletion succeeds and the you will get an error.</p>
NA	<p>DFC does not check, before deleting a document, to see if that document is a child of a virtual document in another repository. For example, assume Doc A, in repository 1, is the root document, Doc B is a child of Doc A that lies in repository 2, and Doc C is a child of Doc B that lies in repository 1.</p> <p>DFC does not report an error if you delete Doc B, but the containment object that bound Doc B to Doc A still exists in repository 1. As a result, if you log into repository 1, it looks to DFC as if Doc B is still part of Doc A. If you then perform operations on Doc A, DFC might report errors.</p>
NA	<p>You cannot use classes of the com.documentum.operations package within transactions in a multi-threaded environment.</p>
NA	<p>DFC supports some OLE compound documents on Windows platforms. DFC supports only the following:</p> <ul style="list-style-type: none"> • OLE compound links in Word and PowerPoint • External sheet and cell references in Excel formulas <p>In particular, DFC does not support OLE compound documents in Access, Outlook, or Visio. It does not support circular references in links.</p> <p>Compound documents (for example, OLE and XML) cannot be children of virtual documents.</p>

Issue ID	Description
NA	<p>If you add an object to an IDfExportOperation more than once, but with different formats, the operation exports the object to a single file on the file system.</p> <p>Workaround: Use separate export operations for the different formats.</p>
NA	<p>The getDataTypeId method of the IDfAttr interface and the getAttrDataTypeId method of the IDfTypedObject interface can return unexpected values. The datatype they return for an attribute that is part of a query collection is the type that Content Server returns. This might differ from the datatype that the IDfSysObject interface specifies for that attribute. The type returned might vary with the server's underlying relational database.</p> <p>Workaround: Structure your application in such a way that you do not need to invoke these methods.</p>
NA	<p>The equals method of an IDfTime object returns a value of true if the method's argument represents a time that is within one second of the time that the object represents.</p>
NA	<p>If you use an import operation to import a Windows file system folder and its contents into a repository, and if the folder contains a shortcut to a file or folder in another folder, DFC does not import the file or folder referenced by the shortcut.</p> <p>Workaround: Explicitly import the files or folders referenced by the shortcut.</p>
NA	<p>We do not support the xml:base attribute as specified by the XLINK language. You cannot import XML files containing this attribute. In particular, you cannot import packages that use the SCORM standard for web-based learning systems.</p>
NA	<p>DFC 5.3 uses a newer version of Xalan than previous DFC versions used. The new Xalan conforms more closely to the XSLT standard with regard to omitting whitespace. This might make the output of existing transformations appear on fewer lines than they did with the earlier Xalan.</p> <p>Workaround: To preserve line breaks, use explicit commands in your template.</p>
NA	<p>In an environment in which two Content Server instances control repositories that have the same name and project to different connection brokers, some DFC methods fail to execute correctly if they try to access both repositories.</p>
NA	<p>The file download dialog box does not appear when attempting to perform file transfer operations such as checkout, view and edit in Webtop.</p> <p>Workaround: This issue appears to be related to the security settings in Microsoft Internet Explorer 7, 9, 10, and 11. If the security settings in Internet Explorer 7, 9, 10, and 11 are set to medium (or higher), you will not be prompted to download the file. Adding the site as a trusted site, as well as customizing the security settings for trusted sites to allow prompting for file downloads, might resolve the issue.</p> <p>The Checkout and view files using Webtop in Internet Explorer, page 83 section provides information on how to change the Internet Explorer 7, 9, 10, and 11 security settings.</p>

Issue ID	Description
NA	Importing a document on Macintosh platform does not import (and later export) the 'File Comments' of the document, viewable through the 'Get Info...' operation.
NA	The copy operation from one SSO to another SSO does not work.
NA	The Limitations of DFC in a 64-bit JVM environment, page 84 section provides information on limitations of DFC in a 64-bit JVM environment.
NA	<p>DFC validation methods obtain the locale from sessionconfig.session_locale and use that locale in data dictionary queries. If the data dictionary does not have information for that locale, the queries return an empty result set, rather than information for the most closely matching locale.</p> <p>Workaround: Before using DFC validation methods, ensure that sessionconfig.session_locale contains a locale for which the data dictionary contains locale-specific values.</p>

Additional Information About Limitations

This section includes supplemental information about limitations.

SSLv3 connection from 7.0 DFC to pre-7.0 Content Server

A workaround to allow SSLv3 connections from 7.0 DFC to pre-7.0 Content Server is to edit the file:

`$JAVA_HOME/jre/lib/security/java.security`
and add the following line:

```
com.rsa.cryptoj.jsafe.fips140initialmode=NON_FIPS140_MODE
```

However, you should be aware that modifying the file in this way allows DFC to use non-FIPS 140-2 validated encryption modules for the connection.

Checkout and view files using Webtop in Internet Explorer

This section describes the procedure to change the Internet Explorer 7, 9, 10, and 11 security settings to checkout and view files using Webtop in Internet Explorer.

To change the Internet Explorer security settings:

1. In Internet Explorer, go to **Tools > Internet Options > Security** tab.
2. Select **Trusted sites**. Click the **Custom level** button in the section entitled **Security level for this zone**.
3. In the **Security Settings>Trusted Sites Zone** dialog box, scroll to the **Downloads** section and enable **Automatic prompting for file downloads**.
4. Click **OK** twice to exit the **Security Settings** and **Internet Options** dialog boxes.

5. Close and restart browser.

You should now be able to checkout and view files using Webtop in Internet Explorer 7, 9, 10, and 11.

Limitations of DFC in a 64-bit JVM environment

The following limitations only apply when a stand-alone DFC installer is used on Windows operating systems. These limitations do not apply when building web applications using the bundled version of DFC (dfc.jar).

Evaluation of docbasic expressions in native code

Expression evaluation in native code will not work because it requires loading 32-bit dlls, which does not work in a 64-bit JVM environment.

Workaround: To make this work in a 64-bit JVM environment, you can convert C++ expressions to Java expressions using the following methods:

- `dmc_MigrateDbExprsToJava`: Used to migrate expressions defined for multiple object types.
- `dmc_MigrateDbExprsToJavaForType`: Used to migrate expressions defined for a particular type.

For example:

```
apply,c,NULL,DO_METHOD,METHOD,S, dmc_MigrateDbExprsToJava,  
SAVE_RESULTS, B,T,ARGUMENTS,S,-docbase Imaging1 -user dmadmin  
-ticket <your_ticket_or_password>-select all -listExprsOnly false
```

Operations involving the Windows registry

Some DFC operations need to store state information. DFC can use either a file or Windows registry to store this state information. DFC has native implementation of Windows dll for using the Windows registry. This dll is a 32-bit dll file and cannot be loaded in a 64-bit JVM environment.

Workaround: For Documentum 6.0 and later versions, the default registry mode is 'file'. Therefore, this issue does not occur unless 'windows' registry is explicitly configured for usage. For running DFC in a 64-bit JVM, use file based registry.

OLE

DFC provides a mechanism for scanning and patching OLE links in Microsoft Office documents. DFC has native implementations in the form of Windows dlls for scanning and patching these links. These dlls are 32-bit dll files and cannot be loaded in a 64-bit JVM environment.

Required configuration for machine-only application access control tokens

If you are using application access control tokens configured to be valid only when sent from applications on particular host machines, you must set the `dfc.machine.id` key in the `dfc.properties` file used by those client applications. The key must be sent to the machine ID of the host from which the AAC token is sent.

Ensuring a correct jaxp.properties File

Some operating systems (for example, AIX) might install a `jaxp.properties` file, or that directory might contain a `jaxp.properties` file that was intentionally placed there. The purpose of the `jaxp.properties` file is to specify the way DFC implements the JAXP parser, by providing the class names for the JAXP factories. An empty `jaxp.properties` file might cause DFC to use the default implementation provided by the operating system.

A `jaxp.properties` file in the `JAVA_HOME/lib/` directory overrides the information in the manifest in `dfc.jar`, which points to the XML parser and transformers that come with DFC. This might lead to errors such as the following:

```
Content transfer: Server returned HTTP response code:
500 for URL: http://torcanary:8003/webtop/wdk5-xmlutil?operation=4
```

In the case of a WDK application, the application server's error log shows the following error:

```
javax.xml.parsers.FactoryConfigurationError:
Provider null could not be instantiated: java.lang.NullPointerException
```

To resolve this problem, you can do one of the following:

- Rename the `jaxp.properties` file on your local system
- Add lines similar to the following to the `jaxp.properties` file:

```
javax.xml.transform.DfTransformerFactory=org.apache.xalan.
processor.TransformerFactoryImpl com.documentum.xml.jaxp.
DfSAXParserFactory=com.documentum.
xerces_2_3_0.xerces.jaxp.SAXParserFactoryImpl
com.documentum.xml.
jaxp.DfDocumentBuilderFactory=com.
documentum.xerces_2_3_0.xerces.jaxp.
DocumentBuilderFactoryImpl javax.xml.parsers.
DocumentBuilderFactory=com.documentum.
xerces_2_3_0.xerces.jaxp.DocumentBuilderFactoryImpl
javax.xml.parser.
SAXParserFactory=com.documentum.xerces_2_3_0.
xerces.jaxp.SAXParserFactoryImpl javax.xml.transform.
TransformerFactory=org.apache.xalan.
processor.TransformerFactoryImpl
```

Adjust the code for the specific Xerces version.

You can also edit the `jaxp.properties` file to use a different JAXP parser from the one packaged with DFC. *EMC Documentum XML Applications Development Guide* contains more information.

Setting permissions for multiple DFC users on Linux systems

DFC uses an interprocess locking mechanism that uses lock files. This mechanism relies on allowing different OS users to write the lock file. The Linux operating system creates lock files using the file mode creation mask (umask) of the current process. Depending on the value of this mask, the operating system might assign different read/write permissions to the current user and to other users. In that case, an `IOException` can occur when a second user tries to acquire the lock. This problem can occur even if the two users are not logged in at the same time.

In order to avoid this problem, all users must be able to read and write the lock file. You can use the shell command `umask 011` in the application server's startup script to accomplish this.

Maximum number of results to retrieve per source by a query search

The maximum number of results to retrieve per source by a query search is set in the parameter `maxresults_per_source` of the `DFCfull.properties` as follows:

```
dfc.search.maxresults_per_source=350
```

Copying a keystore from a machine to another does not work

Copying a keystore from a machine to another does not work by design.

WARNING: Keystores are not swappable, copyable or shareable. They are sensitive security information. If one needs, for any reason, to change a keystore, then stop the client, delete the keystore, and restart the client. On restart, the client will create a new keystore. All the privileges associated with the destroyed keystore, however, will be lost.

DFC Copy operation

The copy preference should be set on the copy operation before adding the object to be copied to the copy operation.

For example:

```
operation.setCopyPreference (operation.COPY_REFERENCE);  
IDfCopyNode node = (IDfCopyNode) operation.add (vDoc);
```

Documentation

Issue ID	Description
DFC-12579	<p>Intelligent Session Management (ISM): The Intelligent Session Management (ISM) enhancements in Documentum 7.0 helps to improve the overall performance and scalability through lower context switches on the Content Server and lower number of active sessions on the Content Server.</p> <p>ISM feature is enabled by default. It can be turned ON/OFF through <code>dfc.properties</code>, <code>dfc.compatibility.used7SessionPooling</code>. When this option is enabled, on <code>IDfSessionManager.release()</code>, a connection associated with the session is freed immediately to the level-2 pool. This allows efficient use of the connection resources. Level-1 pool still caches persistent objects, only connection associated with the session is freed to level-2 pool for reuse by other user requests. Any access to the cached objects of level-1 pool, DFC internally re-associates connection to the session. When this property is enabled, <code>dfc.session.pool.mode</code> should have default value of level-2. It is recommended not to set <code>dfc.session.pool.mode</code> with level-1 as it completely disables session pooling.</p> <p>For backward compatibility, this option can be set to false. When set to false, the DFC session optimizations will not be used and the session always encapsulates the underlying connection. This might reduce session scalability as connection associated with the session is freed to the level-2 pool only when the session expires (5 seconds by default).</p>
NA	<p>Product documentation might contain references to client applications and functionality that are not supported in the 7.x release, though these applications and functionality may become compatible in a future release. Only those client applications listed as compatible in the EMC E-LAB Interoperability Navigator are supported in 7.x.</p>

Environment and System Requirements

This section describes the environment and system requirements.

Note:

- An EMC product configuration running on a particular environment is supported as long as versions of the components in the environment (for example, operating system, database, web server, browser, SSO, Directory Servers, and so on) are in standard/primary support by their vendors.
- Software requirements are listed with release numbers. Software updates—including patches, Service Packs, and equivalent updates—sometimes introduce unanticipated changes. Compatibility with software updates that are not listed here cannot be guaranteed.
- All certifications provided in this document are relevant to the current release. Certifications for patches are documented in the *Patch Notes* documents published for the patch releases.

Hardware Requirements

This section provides information on the hardware requirements.

Item	Requirement
CPU	2 GHz or greater
Memory [1]	4 GB RAM
Disk space [2]	20 GB
[1] The amount of RAM that is available after taking into consideration all other RAM utilization requirements. [2] You must have sufficient free disk space to handle temporary content transfer files, which can vary substantially from one enterprise to another.	

Software Requirements

The [EMC E-LAB Interoperability Navigator](#) contains the software requirements information for your product.

EMC Product Requirements

This section lists the Documentum products that are depended on in order to achieve a basic level of functionality and lists the related Documentum products that enhance the overall functionality.

One of each of the following product versions listed for each product is/are prerequisites.

Product	Compatible Releases
Content Server	6.7 SP2, 7.0, 7.1, 7.2, 7.3

Installation and Upgrade

Before beginning installation, ensure that your system meets the requirements. After installation, be sure to update your EMC product to the latest patched release, if any patches are available.

EMC Documentum Platform and Platform Extensions Installation Guide contains the instructions on installing and configuring Documentum Platform and Platform Extensions products. *EMC*

Documentum System Upgrade and Migration Guide contains the instructions on upgrading the entire Documentum system.

Documentum Foundation Services

Product Description

Documentum Foundation Services provides a set of technologies that enables service-oriented programmatic access to the EMC Documentum Content Server platform and related products. Documentum Foundation Services is a service layer over a Documentum Foundation Classes client, which connects to one or more repositories managed by Content Server.

The following table lists some of the technologies that are included in Documentum Foundation Services:

Technology	Description
Web services	The Documentum Foundation Services web services are Simple Object Access Protocol (SOAP)/Web Service Definition Language (WSDL)-based services deployed in a supported Java servlet container.
Java services	Documentum Foundation Services can also be deployed as a local Java API using class libraries provided in the Software Development Kit (SDK). In a local application, the Documentum Foundation Services Java services run in the same Java Virtual Machine (JVM) as the service consumer.
Data model	The Documentum Foundation Services WSDL interface and corresponding class libraries define a service-oriented data model for representing objects and properties, and for profiling service operation options.
Java productivity layer	Optional client-side libraries for Java consumers of Documentum Foundation Services.

Technology	Description
.NET productivity layer	Optional client-side libraries for .NET consumers of Documentum Foundation Services.
Tools for generating services	Service-generation tools based on Java application programming interface (API) for XML based Web Services (JAX-WS), and Ant, which generate deployable Documentum Foundation Services services from annotated source code, or from WSDL. These tools also generate client-side runtime support for Java clients. Client-side .NET classes are generated using the Documentum Foundation Services Proxy Generator utility.

New and Changed Features

This section highlights the major functionality changes included in this release. Refer to the product documentation for complete information about these features.

Support for Docker

You can now install and configure Documentum Foundation Services on a Docker container.

Fixed Issues

This section identifies issues that have been resolved in this release.

Issue ID	Description
DFS-5491	Experiencing unresponsive threads when executing custom TBO code on xCP object type through CMIS.
DFS-5398	The specified date format will be set to the sub expression sets as well, while running a structured query.
DFS-5389	DFS failing to connect to Content Server when using Netegrity SSO.
DFS-5355	ucf-installer.jar validation is failing with java.security.cert.CertificateExpiredException for ucf-installer.jar even though the jar is signed with a time stamp.

Issue ID	Description
DFS-5328	Class cast exception thrown while reading the cookies in the DFS.NET layer.
DFS-5311	DFS failing to deploy on JBoss 6.3.
DFS-5171	Issue when opening virtual documents for viewing using the .NET version of DFS and UCF.
DFS-5167	If you modify the UCF install on the UCF server, then DFS application does not update the UCF client.
DFS-5141	java.lang.NoClassDefFoundError: com/emc/xcp/model/datatypes/DataType error while working with types created from XCP designer.
DFS-5135	Invalid HTTP cookie handling in DFS if the cookie contains a comma in the Expires cookie field.

Known Issues and Limitations

This section identifies known product issues and limitations that may affect your use of the product.

Server and Administration

Issue ID	Description
DFS-5118	<p>Namespace declaration on Envelope layer in SOAP message.</p> <p>Workaround:</p> <ol style="list-style-type: none"> 1. Download the jax-ws2.2.8 jar files from https://jax-ws.java.net/ 2. Stop the DFS server. 3. Take a backup of your DFS lib folder. You will need this folder to revert any changes that you make. 4. Copy all jar files that you have downloaded in Step 1 to the DFS lib folder. Select Yes to overwrite current files. 5. Start the DFS server.

Issue ID	Description
DFS-4766	<p>WebSEAL SSO does not work in DFS. This problem occurs because DFS disables DFC trust login.</p> <p>Workaround: You must explicitly enable trust login. To do this, add the following setting to <code>dfs-runtime.properties</code>.</p> <pre>dfc.session.allow_trusted_login = true</pre> <p>Note: <code>dfs-runtime.properties</code> is located in <code>emc-dfs-rt.jar</code> that resides in one of the following locations:</p> <ul style="list-style-type: none"> • <code>emc-dfs.ear\lib</code> • <code>emc-dfs.war\WEB-INF</code> <p>After you update <code>dfs-runtime.properties</code>, you must repackage it in the WAR or EAR file with the same packaging structure.</p> <p>Alternatively, you can create an external configuration file named <code>(local-dfs-runtime.properties)</code> in <code>APP-INF/classes</code> if you are deploying the EAR file or in <code>WEB-INF/classes</code> if you deploying the WAR file, and then add <code>dfc.session.allow_trusted_login = true</code> to this external configuration file.</p>
DFS-4735	<p>You receive the following error message when running DFS in Weblogic:</p> <pre>java.lang.IllegalArgumentException: com.sun.xml.internal .messaging.saaj.soap.LocalStrings != com.sun.xml.messaging .saaj.soap.LocalStrings</pre> <p>Workaround 1:</p> <ol style="list-style-type: none"> 1. Add the following attribute to <code>weblogic.xml</code>: <code><prefer-web-inf-classes>true</prefer-web-inf-classes></code> 2. Copy <code>saaj-impl.jar</code> from the <code>lib</code> folder of the EAR file to the folder <code>/opt/weblogic/<jdk_version>/jre/lib/endorsed</code> of your Weblogic deployment. 3. Restart the WebLogic application server for changes to take effect. <p>Workaround 2: Add the following parameters to the Weblogic startup script.</p> <ul style="list-style-type: none"> • <code>-Djavax.xml.soap.MessageFactory=com.sun.xml.messaging.saaj.soap.MessageFactoryImpl</code> • <code>-Djavax.xml.soap.SOAPFactory=com.sun.xml.messaging.saaj.soap.SOAPFactoryImpl</code> • <code>-Djavax.xml.soap.MetaFactory=com.sun.xml.messaging.saaj.soap.SAAJMetaFactoryImpl</code>

Issue ID	Description
DFS-3432	<p>When a service is generated using the Documentum Foundation Services service-generation tools, artifacts generated by JAX-WS are archived in JAR files if the data class resides in the same package as the service endpoint.</p> <p>For example, if a service uses the <code>com.service.SomeService</code>, <code>com.service.DataClassA</code>, and <code>com.service.DataClassB</code> data objects, the following results occur:</p> <ul style="list-style-type: none"> • <code>DataClassB</code> will extend <code>DataClassA</code> • The service will have the <code>SomeService.theOnlyMethod(DataClassB)</code> method • While generating JAX-WS artifacts, the generated <code>DataClassA</code> is not deleted. This generated class is archived in the resulting JAR file, and not in the client defined class. <p>In this case, when generating JAX-WS artifacts, the generated <code>DataClassA</code> is not deleted. This generated class is archived in the resulting JAR file, rather than the client defined class.</p> <p>To repair the JAR file, remove the class generated by JAX-WS and replace it with the client-defined class file.</p>
DFS-3429	<p>The Java Development Kit (JDK) does not compensate for Daylight Savings Time for dates before 1981, and it compensates incorrectly for dates from 1981 through 1990. This Documentum Foundation Services limitation only impacts data with dates prior to 1990.</p>
DFS-3428	<p>When creating custom services, a conflict occurs when you have two services containing the following namespaces: <code>http://a.b.c.d</code> and <code>http://b.c.d.a</code>. When JAX-WS tries to generate the client proxies for these two services, they are generated in the same package (<code>d.c.b.a</code>) and you can call the first service in the classpath. Avoid assigning namespaces in a format that is specified in the description of this issue.</p>
DFS-3426	<p>In clustered environments, failover is not supported for registered service contexts and cached queries. If you need failover support, do not register service contexts or use cached queries.</p>
DFS-3424	<p>Only services that are executed in the same server-side process can share a registered service context. Services are deployed in the same EAR file on the application server. This limitation implies that the client must be aware of the physical location of the services which it invokes. In addition, the client must manage service context sharing based on shared physical locations.</p> <p>Registration of service context is not required. To avoid this problem, do not register the service context.</p>
DFS-3422	<p>The JAX-WS implementation uses the thread context class loader, rather than the class loader of the executing class. Therefore, when calling a Documentum Foundation Services service from a Business Object</p>

	<p>Framework (BOF) module or Java server method, set the current class loader to the class loader of the module. It is described in the following procedure:</p> <ol style="list-style-type: none"> 1. Save the ContextClassLoader of the current thread. <pre>ClassLoader oldContextClassLoader = Thread.currentThread() .getContextClassLoader();</pre> 2. In a try block, set the current class loader to the class loader in the class of the calling object before calling the Documentum Foundation Services service. <pre>try { ClassLoader classClassLoader = this.getClass().getClassLoader(); Thread.currentThread() .setContextClassLoader (classClassLoader); // ...call DFS service }</pre> 3. In a finally block, reset the class loader to the previously saved thread class loader. <pre>finally { Thread.currentThread().setContextClassLoader (oldContextClassLoader); }</pre>
DFS-3419	<p>The following limitations apply to Kerberos support in this release:</p> <ul style="list-style-type: none"> • Due to the multi-tiered nature of Documentum Foundation Services applications, Kerberos integration is based on delegated authentication. All Kerberos tokens provided to Documentum Foundation Services through the web services API must be “forwardable”. The local Java API accepts only Kerberos Ticket Granting Tickets (TGTs). • Documentum Foundation Services services do not accept Simple and Protected GSSAPI Negotiation Mechanism (SPNEGO) tokens. However, the Kerberos utility provided with the DFS Software Development Kit (SDK) includes a method for unwrapping SPNEGO tokens. • Registering a ServiceContext with Kerberos credentials is not supported. • Kerberos-based message level security is not supported. • Support for .NET integration is limited to remote web services API (in the client productivity layer). There is no Kerberos Utility for .NET. • Wrapped GSSAPI Kerberos tokens are not supported.

DFS-3393	<p>When applications that use different versions of SOAP with Attachments API for Java (SAAJ) are deployed on the same Java Virtual Machine (JVM), the deployment fails and an exception occurs.</p> <p>The resolution is as follows:</p> <ul style="list-style-type: none"> • Ensure all applications that use SAAJ have the same version of SAAJ, when they are deployed on the same JVM. • When you have to deploy a third-party application that does not contain SAAJ and Documentum Foundation Services or Documentum Foundation Services-based applications on the same JVM, remove SAAJ related JAR files from Documentum Foundation Services or Documentum Foundation Services-based applications for a successful deployment.
DFS-3044	<p>For Oracle on Linux, <code>count (*)</code> in a query returns a double. This issue is caused by Oracle on Linux.</p>
DFS-2809	<p>The Documentum Foundation Classes client causes a performance degradation when using the WebSealIvUserHandler JaxWS handler included in the Documentum Foundation Services SDK. It is recommended that you do not use this handler in production systems until this limitation is addressed.</p>
DFS-1519	<p>When generating multiple services in the same package that have the same method names, the generation on the client side overwrites the generated classes where there are name conflicts. The services must be in separate packages or have different method names.</p>
DFS-1383	<p>The DFS .NET client is based on WCF (Windows Communication Framework), which provides three modes for MTOM content transfer: buffer, streaming, and chunk. For streaming and chunk modes, WCF requires that the corresponding service operation (such as get or create) take only one argument (the input stream). This conflicts with the design of DFS, such that DFS can only use the MTOM buffer mode with a .NET client. This results in unusually high memory requirements.</p> <p>Workaround: There are several options for working around this limitation:</p> <ul style="list-style-type: none"> • First, for content download operations, enable ACS/BOCS and make use of it. To ensure that the <code>urlContent</code> type is returned by DFS, use the <code>urlReturnPolicy</code> setting. The client can use the <code>urlContent</code> returned by DFS to request content transfer from the ACS server. • For content upload operations, use UCF as the content transfer mode. UCF will orchestrate content transfer in both directions between the client and the ACS server. • Ensure that both the DFS .NET client and JVM that runs the DFS server have enough memory to buffer the content. <p>For additional detail on this limitation, refer to the <i>EMC Documentum Platform and Platform Extensions Installation Guide</i>.</p>

DFS-1167	<p>Unified Client Facilities (UCF) requires a 32-bit JVM and is incompatible with a 64-bit JVM. This has implications for Documentum Foundation Services Java and .NET clients.</p> <p>A Java client that uses UCF content transfer mode must run in a 32-bit JVM.</p> <p>.NET clients that use UCF content transfer mode launch UCF as a separate Java process. This process must run in a 32-bit JVM. .NET clients can ensure that UCF runs in a 32-bit JVM by setting the JAVA_HOME or JRE_HOME environment variable to point to a 32-bit JVM.</p>
DFS-687	<p>JBoss log generates error messages although Documentum Foundation Services services are available. This is an issue in JBoss and not a Documentum Foundation Services issue.</p> <p>The resolution is to change the log level of <i>java.util.logging</i> to WARNING:</p> <pre>edit \$JAVA_HOME/jre/lib/logging.properties, change ".level= INFO" to ".level= WARNING"</pre>
DFS-684	<p>The current process of defining a new resource bundle consists of defining a new property in <i>dfs-runtime.properties</i>, incrementing the index of the property.</p> <p>In <i>dfs-runtime.properties</i>:</p> <pre>resource.bundle = dfs-messages resource.bundle.1 = dfs-services-messages resource.bundle.2 = dfs-bpm-services-messages</pre> <p>In <i>local-dfs-runtime.properties</i>:</p> <pre>resource.bundle.3 = my-custom-services-messages</pre> <p>The limitation of this approach is that if a new resource bundle is required for core services in a future release, it can be defined as "resource.bundle.3" and the one defined in <i>local-dfs-runtime.properties</i> will override it. This approach can cause a future migration issue.</p>
DFS-30	<p>When you create custom services, extending the Profile class or subclasses is not permitted. For new services, you can use properties (passed to the service in <i>OperationOptions</i> or in the service context) as an alternative to creating new profiles.</p>
DC-5809	<p>If there is not enough disk space on UCF Java or .Net client, the following message is displayed:</p> <pre>com.documentum.ucf.common.UCFException: There is not enough space on the disk</pre> <p>When this error occurs, a partial file is created and is not deleted.</p>
N/A	<p>The UCF client is intended for a single user, either using a browser in a web application, or a using a thick client. Using UCF is not supported on the middle tier of a distributed application. Typically, the middle tier would be a web application functioning as a DFS consumer.</p>

Documentation

Issue ID	Description
NA	Product documentation might contain references to client applications and functionality that are not supported in the 7.x release, though these applications and functionality may become compatible in a future release. Only those client applications listed as compatible in the EMC E-LAB Interoperability Navigator are supported in 7.x.

Environment and System Requirements

This section describes the environment and system requirements.

Note:

- An EMC product configuration running on a particular environment is supported as long as versions of the components in the environment (for example, operating system, database, web server, browser, SSO, Directory Servers, and so on) are in standard/primary support by their vendors.
- Software requirements are listed with release numbers. Software updates—including patches, Service Packs, and equivalent updates—sometimes introduce unanticipated changes. Compatibility with software updates that are not listed here cannot be guaranteed.
- All certifications provided in this document are relevant to the current release. Certifications for patches are documented in the *Patch Notes* documents published for the patch releases.

Hardware Requirements

This section provides information on the hardware requirements.

Item	Requirement
CPU	2 GHz or greater
Memory [1]	4 GB RAM
Disk space [2]	20 GB
<p>[1] The amount of RAM that is available after taking into consideration all other RAM utilization requirements.</p> <p>[2] You must have sufficient free disk space to handle temporary content transfer files, which can vary substantially from one enterprise to another.</p>	

Software Requirements

The [EMC E-LAB Interoperability Navigator](#) contains the software requirements information for your product.

EMC Product Requirements

This section lists Documentum products that are depended on to achieve a basic level of functionality and lists the related Documentum products that enhance the overall functionality.

One of each of the following product versions listed for each product is/are prerequisites.

Product	Compatible Releases
Content Server	6.7 SP2, 7.0, 7.1, 7.2, 7.3

Installation and Upgrade

Before beginning installation, ensure that your system meets the requirements. After installation, be sure to update your EMC product to the latest patched release, if any patches are available.

EMC Documentum Platform and Platform Extensions Installation Guide contains the instructions on installing and configuring Documentum Platform and Platform Extensions products. *EMC Documentum System Upgrade and Migration Guide* contains the instructions on upgrading the entire Documentum system.

Federated Search Services

Product Description

EMC Documentum Federated Search Services is a Documentum federated search technology that enables users to securely search an unlimited number of information sources inside and outside an organization. The search results are displayed by the client application in a unified and accurate way.

Federated Search Services consists of the following components:

- **Federated Search Services Server**—The backend server that brokers user requests on various content sources
- **Federated Search Adapters**—Software components for querying specific content sources
- **Adapter Development Kit**—APIs for creating custom client applications and adapters

Federated Search Services is available to WDK-based clients such as Webtop, DAM, WCM, as well as through DFC and DFS, and in CenterStage clients.

The following features of the federated search functionality are available in most client applications:

- Single interface to access heterogeneous content
- Secure access using security in place
- Multi-repository-attribute display
- Results ranking and filtering
- Intelligent query conversion and query language compensation
- Saved queries (including the result set)
- Viewing content from any repository
- Importing results from any application
- Results clustering: groups results into dynamic concept categories to ease navigation.
- Search templates
- Real-time monitoring of the query status

The documentation of the client applications describes which features are supported.

New and Changed Features

This section highlights the major functionality changes included in this release. Refer to the product documentation for complete information about these features.

XQuery Adapter for Multiple xPlore Instances

The Federated Search Services xPlore adapter makes the xPlore Search Service searchable from any Federated Search Services client such as Webtop. After configuring the adapter on the Federated Search Services server, you can run XQueries either directly or through the DFC Search API.

Enhanced Security for External Credentials

The loginPassword is encrypted, saved in the backend configuration file, and decrypted in runtime.

Support for Docker

You can now install and configure Federated Search Services on a Docker container.

Updated JVM/JRE

The JVM/JRE is updated to use Java 8 Update 77 on Windows, Red Hat Linux, Solaris, and SR4 in AIX environments with 64-bit certification.

Fixed Issues

This release does not have any fixed issues.

Known Issues and Limitations

This section identifies known product issues and limitations that may affect your use of the product.

Issue ID	Description
FSTWO-734	Youtube backend in OpenSearch adapter has been deprecated because the same service has been revoked by Google.
FSTWO-732	BlogSearch backend in OpenSearch adapter has been deprecated because the same service has been revoked by Google.
FSTWO-726	Many websites only accept HTTPS request, so corresponding adapters may encounter problems by SSL certificate. Refer to the <i>EMC Documentum Platform and Platform Extensions Installation Guide</i> for more information about how to connect to a source using HTTPS mode.
FSTWO-730	The YahooDirectory adapter has been deprecated because the same service has been revoked by Yahoo.

Documentation

Issue ID	Description
NA	Product documentation might contain references to client applications and functionality that are not supported in the 7.x release, though these applications and functionality may become compatible in a future release. Only those client applications listed as compatible in the EMC E-LAB Interoperability Navigator are supported in 7.x.

Environment and System Requirements

This section describes the environment and system requirements.

Note:

- An EMC product configuration running on a particular environment is supported as long as versions of the components in the environment (for example, operating system, database, web server, browser, SSO, Directory Servers, and so on) are in standard/primary support by their vendors.
- Software requirements are listed with release numbers. Software updates—including patches, Service Packs, and equivalent updates—sometimes introduce unanticipated changes. Compatibility with software updates that are not listed here cannot be guaranteed.
- All certifications provided in this document are relevant to the current release. Certifications for patches are documented in the *Patch Notes* documents published for the patch releases.

Hardware Requirements

This section provides information on the hardware requirements.

Item	Requirement
CPU	800 MHz (minimum), 1 GHz or greater (recommended)
Memory [1]	1 GB (2 GB recommended)
Disk space [2]	500 MB

Item	Requirement
Network [3]	128 KB/s Internet connection for external sources, 10 MB/s Intranet connection between server and clients
<p>[1] The amount of RAM that is available after taking into consideration all other RAM utilization requirements.</p> <p>[2] Free disk space for the application installation. Additional space is required for repository content, such as user accounts and persistent searches.</p> <p>[3] Suggested minimum only. The network requirement varies with the number of users and the number of external sources.</p>	

Software Requirements

The [EMC E-LAB Interoperability Navigator](#) contains the software requirements information for your product.

EMC Product Requirements

This section lists Documentum products that are required to achieve a basic level of functionality as well as related Documentum products that enhance the overall functionality.

The following are prerequisites. One compatible version of each listed product is required.

Product	Compatible Releases
Content Server	7.1, 7.2, 7.3
Documentum Administrator	7.1, 7.2, 7.3
Webtop	6.8, 6.8.1

Installation and Upgrade

Before beginning installation, ensure that your system meets the requirements. After installation, be sure to update your EMC product to the latest patched release, if any patches are available.

EMC Documentum Platform and Platform Extensions Installation Guide contains the instructions on installing and configuring Documentum Platform and Platform Extensions products. *EMC*

Documentum System Upgrade and Migration Guide contains the instructions on upgrading the entire Documentum system.

Documentum Platform REST Services

Product Description

EMC Documentum Platform REST Services is a set of RESTful web service interfaces that interact with the Documentum platform.

Developed in a purely RESTful style, Documentum Platform REST Services is hypertext-driven, server-side stateless, and content negotiable. This provides you with a high level of efficiency and simplicity in programming, and it also makes all services easy to consume. These advantages make Documentum Platform REST Services the optimal choice for Web 2.0 applications and mobile applications that interact with Documentum repositories.

New and Changed Features

This section highlights major functionality changes included in this release. Refer to the product documentation for more information about these features.

Support for Docker

Documentum Platform REST Services release 7.3 adds deployment support for Docker containers. You can deploy your REST server into a Docker container and have it work with other Documentum components that are in Docker containers, or it can work in a Docker container as a standalone. Using Docker containers technologies makes Documentum REST servers easy to scale, migrate, and ship.

New Services for Valued Office Solution

Many services have been added to Documentum Platform REST Services in release 7.3, including:

- Access control
- Lightweight objects
- Aspect
- Value assistance
- Enhanced full-text search
- Enhanced user group management
- Commenting

SAML 2.0 Web SSO

SAML 2.0 Web SSO has been added to Documentum Platform REST Services in release 7.3 to support distributed and federated authentication. SAML 2.0 compliant single sign-on, local logout, and identity discovery are fully supported in the new authentication scheme.

Enhanced Resource Extensibility

Additional YAML configurations and Java APIs have been added to resource extensibility in release 7.3. These additional configurations and APIs enable the creation of more powerful REST extensions based on Documentum Platform REST Services, including the ability to disable specific core resources and turn off XML or JSON media types.

New Authentication Extensibility and Security Configuration

Resource authentication extensibility was added to release 7.2. In release 7.3, resource authentications can be customized and extended using the extensibility framework in Documentum Platform REST Services. Additional web security enhancements and configurations have been added to release 7.3 to make Documentum Platform REST Services even more secure.

3rd Party Dependency Changes

Spring Framework and Spring Security

Documentum Platform REST Services release 7.3 has upgraded the Spring Framework and Spring Security libraries from 3.x to 4.x. These upgrades mean that you can leverage the new features of Spring 4 to develop your REST extensions.

Fixed Issues

This section identifies issues that have been resolved in this release.

Issue ID	Description
REST-1064	Added an option to customize error code mapping for JSON files.
REST-1100	The view instance can invoke an internal method to get the resource controller that instantiated it.

Issue ID	Description
REST-1115	The REST error model can be extended to include a map of properties in its exception list.
REST-1128	In the SDK archetype maven kit, batch and shell files are provided, instead of manual installation, to install the local maven artifacts.
REST-1180	The DQL resource fails when sending a Request URL with a DQL expression query parameter such as <code>?dql=select * from dm_document enable (return_top 3)</code> .
REST-1213	When mapping locale error code with JSON files, the locale that is responsible for causing the error in the localized application based on Documentum Platform REST Services is missing.
REST-1334	<p>When importing the content to Centera storage, the <i>content-length</i> query parameter, which is an accurate byte count of the content to be uploaded, must be provided.</p> <p>For other storages mediums, such as harddisk, the <i>content-length</i> parameter is optional. However, when the <i>content-length</i> parameter is provided, it must be accurate.</p>
REST-1375	The query parameters <i>q</i> , <i>locations</i> , and <i>facet-value-constraints</i> support international characters. They must be encoded using the UTF-8 charset in the Request URL of any search resource used.
REST-1411	Query parameters <i>q</i> , <i>locations</i> , and <i>facet-value-constraints</i> support international characters. They must be encoded using the UTF-8 charset in the Request URL of the Search resource.

Known Issues and Limitations

This section identifies known product issues and limitations that may affect your use of the product.

Issue ID	Description
REST-300	You can specify the millisecond field in a Datetime literal. However, this field is ignored when being processed. This is because Content Server does not store the millisecond field in a <i>datetime</i> attribute.
REST-520	<p>A memory leak occurs during a copy operation.</p> <p>Workaround: To work around this issue, restart the REST server.</p>

Issue ID	Description
REST-812	<p>Performance may degrade when you enable the <i>include-total</i> parameter in the Search service.</p> <p>To avoid potential performance issues, set <i>include-total</i> to <i>false</i> in the Request or set <code>rest.search.dfc.request.timeout</code> in <code>rest-api-runtime.properties</code> appropriately.</p>
REST-932	<p>When Documentum Platform REST Services is deployed on an application server running Microsoft Windows Server 2012 that also has Kerberos authentication enabled, the <code>com.dstc.security.util.licensing.InvalidLicense</code> exception is thrown during the authentication phase.</p>

Environment and System Requirements

This section describes the environment and system requirements.

Note:

- An EMC product configuration running on a particular environment is supported as long as versions of the components in the environment (for example, operating system, database, web server, browser, SSO, Directory Servers, and so on) are in standard or primary support by their vendors.
- Software requirements are listed with release numbers. Software updates—including patches, Service Packs, and equivalent updates—sometimes introduce unanticipated changes. Compatibility with software updates that are not listed here cannot be guaranteed.
- All certifications provided in this document are relevant to the current release. Certifications for patches are documented in the *Patch Notes* documents published for the patch releases.

Hardware Requirements

This section provides information on the hardware requirements.

Item	Requirement
CPU	1 GHz
Memory	2 GB RAM
Disk space	512 MB
<p>[1] To achieve better performance, you should consider increasing CPU and RAM, e.g., 4 GHz dual-core or faster for CPU, and 4 GB or larger for RAM.</p> <p>[2] The REST server may produce large log files for debugging and produce temporary MIME files for content transfer. We recommend that you leave enough disk space for Documentum REST Services to achieve better longevity, for example, 20 GB or larger.</p>	

Software Requirements

The [EMC E-LAB Interoperability Navigator](#) contains the software requirements information for your product.

EMC Product Requirements

This section lists Documentum products that are required to achieve a basic level of functionality as well as related Documentum products that enhance the overall functionality.

The following are prerequisites. One compatible version of each listed product is required.

Product	Compatible Releases
Content Server	7.1, 7.2, 7.3

Installation and Upgrade

Before beginning installation, ensure that your system meets the requirements. After installation, be sure to update your EMC product to the latest patched release, if any patches are available.

EMC Documentum Platform and Platform Extensions Installation Guide contains the instructions on installing and configuring Documentum Platform and Platform Extensions products. *EMC Documentum System Upgrade and Migration Guide* contains the instructions on upgrading the entire Documentum system.

Thumbnail Server

Product Description

A thumbnail is an image that is used to visually represent a file in client applications. Thumbnail renditions provide a visual cue for browsing files, and they enable users to quickly identify objects at a glance, since the object name and/or additional attributes may not always provide enough information about an object. Upon registration of an object, the Content Transformation Services server automatically generates thumbnail renditions of the object by passing it to the appropriate plug-in. The plug-in extracts the object's media properties and creates a new object by transforming the original object into a predefined thumbnail format. The Content Transformation Services server sends the thumbnail back to Content Server as a rendition of the original object and saves the thumbnail's properties as attributes of that rendition. Content Server stores thumbnails in a special file store that is shared with the Thumbnail Server.

The Thumbnail Server is a separate server (which must be downloaded and installed on the Content Server host) that interacts directly with a client browser. The Thumbnail Server runs on a servlet engine, which itself runs on an HTTP server. Thumbnail Server retrieves low-resolution image files from a designated thumbnail file store on the Content Server host. These images are then used as visual cues in browsers and other web client applications.

Two types of thumbnails are served by Thumbnail Server:

- Preview images created by Content Transformation Services server when an applicable file type is imported or checked in to the repository. These thumbnails are saved in the thumbnail store on the Content Server.
- Default thumbnail images per type or format. These are icons that can be specified for folders or unknown file types. These thumbnails are stored in the repository, and can be viewed or updated when necessary.

Thumbnail Server uses Java servlets to manage thumbnail representations, and HTTP technology to accelerate the display of thumbnail images in Web client applications. The file store is designated as a thumbnail file store when its `media_type` attribute is set to 1. Applications retrieve thumbnails from thumbnail file stores by constructing a URL for the file. The URL consists of a main servlet which requires a path, store, and ticket argument, if applicable.

New and Changed Features

This section highlights the major functionality changes included in this release. Refer to the product documentation for complete information about these features.

Support for Docker

You can now install and configure Thumbnail Server on a Docker container.

Fixed Issues

This section identifies issues that have been resolved in this release.

Issue ID	Description
TSERVER-453	Added support to unconfigure Thumbnail Server option for a given repository.

Known Issues and Limitations

This section identifies known product issues and limitations that may affect your use of the product.

Issue ID	Description
CTS-1277	<p>User is unable to view thumbnails in HTTPS mode using the Thumbnail Server in any Documentum client using browsers like Mozilla Firefox.</p> <p>Workaround:</p> <ol style="list-style-type: none">1. Download JCE 7 from the Oracle website.2. Backup the existing local_policy and US_export_policy jars located at: <CSinstalldir>/java64/1.7.0_17/jre/lib/security.3. Copy the local_policy and US_export_policy jars present in the JCE download zip folder and place them in <CSinstalldir>/java64/1.7.0_17/jre/lib/security.4. Create the keystore certificate and make the necessary changes to the Tomcat container in the Thumbnail Server .5. Configure the Mozilla Firefox browser for FIPS according to the procedure provided on the Mozilla website.6. Access the default Thumbnail URL or Thumbnail Store Base URL using Mozilla Firefox and add or accept the exception.7. Access the Documentum legacy clients (for example, DAM, Webtop, and so on) in Mozilla Firefox . <p>Thumbnails must be visible in the client application.</p>

Issue ID	Description
TSERVER-471	Thumbnail server installation is only supported on primary Content Server and does not support failover or installation on secondary / clustered docbases sharing file stores or having distributed file stores using content replication.
TSERVER-421	<p>When installing Thumbnail Server 7.2 in a Linux environment with Content Server 7.0, the Thumbnail Server Configurator fails with the error message:</p> <pre>Running a 64-bit JVM is not supported on this platform</pre> <p>Workaround: Launch the Thumbnail Server Configurator with the following command:</p> <pre>./thumbServerLinuxConfigurator.bin LAX_VM \$DOCUMENTUM/java64/1.7.0_72/bin/java</pre>
TSERVER-338	<p>During Thumbnail Server installation on a Solaris machine, you may receive the following error message:</p> <pre>java: fatal: libucb.so.1: open failed: No such file or directory</pre> <p>Workaround: Install the “ucb” package on the Solaris machine using the following command:</p> <pre>pkg install compatibility/ucb</pre>
TSERVER-349	<p>While installing the Thumbnail Server on an AIX machine, you may receive the following error message:</p> <pre>com/ibm/wizard/platform/aix/AixFileServiceImpl .getNativePartitionFreeSpace(Ljava/lang/String;)D</pre> <p>This message does not have any functional impact and can be ignored.</p>
TSERVER-289	<p>Thumbnail Server does not support failover scenario in a clustered Content Server setup.</p> <p>Normally the Thumbnail Server is configured against a Content Server. When two Content Servers installed in two VMs, share a common file store, as a part of a clustered environment, you need to configure two Thumbnail Servers for clustering and failover scenarios.</p> <p>Likewise, configure TS1 against CS1 and TS2 against CS2. While you configure TS2, it overrides the existing TS1 configurations.</p>
TSERVER-278	Thumbnail Server does not accept UNC path names for filestore. By default, the Thumbnail Server service once installed runs from LOCAL SYSTEM account. When the Thumbnail store is configured on a NAS drive, you need to run the Thumbnail Server service as the installation owner account and not as LOCAL SYSTEM or SYSTEM account.

Documentation

Issue ID	Description
NA	Product documentation might contain references to client applications and functionality that are not supported in the 7.x release, though these applications and functionality may become compatible in a future release. Only those client applications listed as compatible in the EMC E-LAB Interoperability Navigator are supported in 7.x.

Environment and System Requirements

This section describes the environment and system requirements.

Note:

- An EMC product configuration running on a particular environment is supported as long as versions of the components in the environment (for example, operating system, database, web server, browser, SSO, Directory Servers, and so on) are in standard/primary support by their vendors.
- All certifications provided in this document are relevant to the current release. Certifications for patches are documented in the *Patch Notes* documents published for the patch releases.
- Software requirements are listed with release numbers. Software updates—including patches, Service Packs, and equivalent updates—sometimes introduce unanticipated changes. Compatibility with software updates that are not listed here cannot be guaranteed.

Hardware Requirements

This section provides information on the hardware requirements.

Thumbnail Server is installed on a host machine running Content Server and requires 32.5 MB of disk space (for installation). There are no other specific requirements.

Software Requirements

The [EMC E-LAB Interoperability Navigator](#) contains the software requirements information for your product.

EMC Product Requirements

This section lists Documentum products that are depended on to achieve a basic level of functionality and lists the related Documentum products that enhance the overall functionality.

One of each of the following product versions listed for each product is/are prerequisites.

Product	Compatible Releases
Content Server	6.7 SP2, 7.0, 7.1, 7.2, 7.3

Installation and Upgrade

Before beginning installation, ensure that your system meets the requirements. After installation, be sure to update your EMC product to the latest patched release, if any patches are available.

EMC Documentum Platform and Platform Extensions Installation Guide contains the instructions on installing and configuring Documentum Platform and Platform Extensions products. *EMC Documentum System Upgrade and Migration Guide* contains the instructions on upgrading the entire Documentum system.

Technical Notes

Installer can install only to directories with ASCII names (Solaris)

The names of all directories that you supply to the installer must be encoded entirely in ASCII characters. Other encodings are not supported at this time.

No SSL certificate included with Installer

Thumbnail Server does not include a valid, trusted certificate for Secure Sockets Layer (SSL). Therefore, browsers will alert users that there is no certificate. Temporarily, users may choose the option to trust the default certificate and see thumbnails.

It is up to you, the customer, to obtain a valid certificate for this use. Once you get a valid certificate for a given server, you can import it to your keystore.

EMC Documentum Platform and Platform Extensions Installation Guide provides the instructions to enable a Thumbnail Server for Secure Sockets Layer (SSL) encryption.

Cannot install Thumbnail Server on another machine outside the Content Server machine

Thumbnail Server cannot be installed on another machine (using domain to authenticate) outside the Content Server machine. As per installation instructions, Thumbnail Server MUST be installed on the primary Content Server host.

Additional Resources

You can use these resources to find more information about this product, to get support, and to provide feedback.

Documentation and Support

For the latest product documentation and support materials, including White Papers and Technical Advisories, refer to EMC Online Support (<https://support.emc.com>). Check regularly for new and updated documentation to ensure that you have the latest system information.

Note: Documentation that is installed or with the product or packaged with the product download is current at the time of release. Documentation updates made after a release are available for download from EMC Online Support.

EMC Online Communities

Visit EMC Community Network (community.emc.com/go/contentmanagement) for peer contacts, conversations, and content on product support and solutions. Interactively engage online with customers, partners and certified professionals for all EMC Products.

Providing Feedback

Documentation Feedback

Your opinion matters. We want to hear from you regarding our product documentation. If you have feedback about how we can make our documentation better or easier to use, please send us your feedback directly at ECD.Documentation.Feedback@emc.com.

Product Enhancement Requests

Help us to improve the products that you use. Use our Enhancement Request System, available from many [product support](#) pages, to tell us what you would like to see in future releases.